

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103810.D
 Acq On : 20 Mar 2018 18:51
 Operator : JU/SJ
 Sample : J1975-05MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:41 PM

Quant Time: Mar 21 01:37:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	160196	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	641509	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	288245	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	468901	20.00	ng	0.01
75) Chrysene-d12	14.16	240	285866	20.00	ng	0.01
86) Perylene-d12	15.70	264	269263	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1295340	122.99	ng	0.02
7) Phenol-d6	6.60	99	1727671	134.08	ng	0.02
23) Nitrobenzene-d5	7.55	82	995728	108.24	ng	0.01
41) 2,4,6-Tribromophenol	10.82	330	372069	150.13	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	1587261	87.84	ng	0.00
78) Terphenyl-d14	13.10	244	1315648	106.83	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	191803	36.984	ng	# 89
3) Pyridine	3.66	79	485935	34.066	ng	86
4) n-Nitrosodimethylamine	3.62	42	219416	41.717	ng	# 76
6) Aniline	6.65	93	445234	24.198	ng	96
8) 2-Chlorophenol	6.76	128	494896	44.855	ng	95
9) Benzaldehyde	6.53	77	159333	18.822	ng	93
10) Phenol	6.62	94	637037	46.525	ng	99
11) bis(2-Chloroethyl)ether	6.71	93	491914	43.520	ng	95
12) 1,3-Dichlorobenzene	6.92	146	503192	40.043	ng	99
13) 1,4-Dichlorobenzene	6.99	146	489322	38.751	ng	100
14) 1,2-Dichlorobenzene	7.15	146	452290	38.600	ng	99
15) Benzyl Alcohol	7.12	79	402016	40.267	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.25	45	590825	36.750	ng	93
17) 2-Methylphenol	7.22	107	400927	40.806	ng	97
18) Hexachloroethane	7.49	117	164497	37.035	ng	99
19) n-Nitroso-di-n-propylamine	7.39	70	306874	37.161	ng	93
20) 3+4-Methylphenols	7.37	107	482428	38.690	ng	# 87
22) Acetophenone	7.39	105	611121	37.067	ng	# 93
24) Nitrobenzene	7.56	77	477649	44.227	ng	92
25) Isophorone	7.79	82	893337	41.950	ng	99
26) 2-Nitrophenol	7.87	139	253100	58.921	ng	# 88
27) 2,4-Dimethylphenol	7.90	122	433945	47.566	ng	98
28) bis(2-Chloroethoxy)methane	8.00	93	574195	44.528	ng	98
29) 2,4-Dichlorophenol	8.11	162	385759	46.477	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	391437	40.662	ng	99
31) Naphthalene	8.28	128	1295577	39.980	ng	100
32) Benzoic acid	7.97	122	70830	18.638	ng	97
33) 4-Chloroaniline	8.32	127	165226	12.153	ng	96
34) Hexachlorobutadiene	8.39	225	206709	39.164	ng	99
35) Caprolactam	8.70	113	119594m	41.845	ng	
36) 4-Chloro-3-methylphenol	8.80	107	420577	45.965	ng	97
37) 2-Methylnaphthalene	8.97	142	877941	42.722	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	374278	45.514	ng	99
40) Hexachlorocyclopentadiene	9.12	237	109142	25.721	ng	99

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103810.D
 Acq On : 20 Mar 2018 18:51
 Operator : JU/SJ
 Sample : J1975-05MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

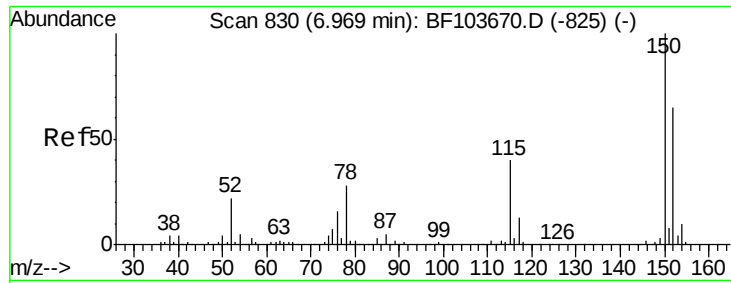
Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:41 PM

Quant Time: Mar 21 01:37:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.24	196	266254	50.620	ng	100
43) 2,4,5-Trichlorophenol	9.29	196	280577	47.261	ng	95
45) 1,1'-Biphenyl	9.43	154	971667	40.426	ng	100
46) 2-Chloronaphthalene	9.46	162	776145	40.656	ng	100
47) 2-Nitroaniline	9.56	65	242473	48.474	ng	96
48) Acenaphthylene	9.88	152	1173569	39.643	ng	99
49) Dimethylphthalate	9.73	163	1054188	47.936	ng	100
50) 2,6-Dinitrotoluene	9.80	165	205111	48.196	ng	97
51) Acenaphthene	10.05	154	690613	39.290	ng	100
52) 3-Nitroaniline	9.97	138	157156	32.188	ng	94
53) 2,4-Dinitrophenol	10.07	184	33594	41.465	ng #	16
54) Dibenzofuran	10.23	168	1032462	41.127	ng	99
55) 4-Nitrophenol	10.13	139	349153	86.301	ng	93
56) 2,4-Dinitrotoluene	10.20	165	269428	49.733	ng	96
57) Fluorene	10.57	166	776419	39.856	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.34	232	201140	47.815	ng	94
59) Diethylphthalate	10.43	149	866062	39.678	ng	98
60) 4-Chlorophenyl-phenylether	10.56	204	366046	41.116	ng	95
61) 4-Nitroaniline	10.59	138	199796	41.285	ng	95
62) Azobenzene	10.72	77	831299	37.461	ng	95
64) 4,6-Dinitro-2-methylphenol	10.62	198	38181	29.021	ng #	71
65) n-Nitrosodiphenylamine	10.67	169	721458	45.203	ng	99
66) 4-Bromophenyl-phenylether	11.05	248	233280	48.455	ng #	88
67) Hexachlorobenzene	11.12	284	244367	44.472	ng	96
68) Atrazine	11.20	200	239474	48.503	ng	97
69) Pentachlorophenol	11.31	266	211977	67.101	ng	96
70) Phenanthrene	11.54	178	1047461	40.837	ng	99
71) Anthracene	11.59	178	1075728	41.292	ng	99
72) Carbazole	11.74	167	1001542	39.554	ng	100
73) Di-n-butylphthalate	12.06	149	1300518	42.805	ng	100
74) Fluoranthene	12.73	202	953356	36.077	ng	99
76) Benzidine	12.84	184	471493	38.671	ng	98
77) Pyrene	12.96	202	964973	45.965	ng	99
79) Butylbenzylphthalate	13.57	149	508485	54.668	ng	94
80) Benzo(a)anthracene	14.15	228	749633	41.427	ng	99
81) 3,3'-Dichlorobenzidine	14.11	252	267374	44.174	ng	98
82) Chrysene	14.19	228	702713	40.739	ng	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	632562	47.605	ng	99
84) Di-n-octyl phthalate	14.75	149	1002168	51.842	ng #	95
85) Indeno(1,2,3-cd)pyrene	17.28	276	648639	43.059	ng	99
87) Benzo(b)fluoranthene	15.24	252	745977	43.852	ng	98
88) Benzo(k)fluoranthene	15.28	252	630374	38.549	ng	99
89) Benzo(a)pyrene	15.64	252	657262	42.598	ng	99
90) Dibenzo(a,h)anthracene	17.30	278	557053	41.694	ng	98
91) Benzo(g,h,i)perylene	17.76	276	512461	39.427	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

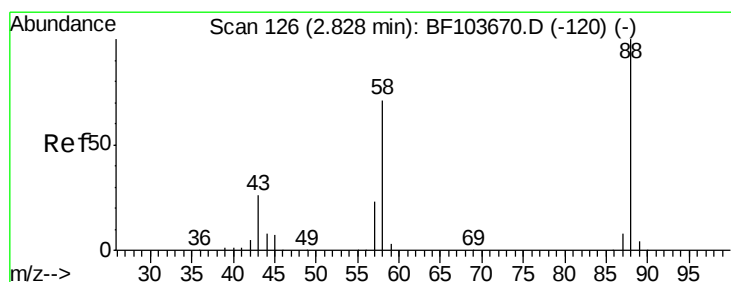
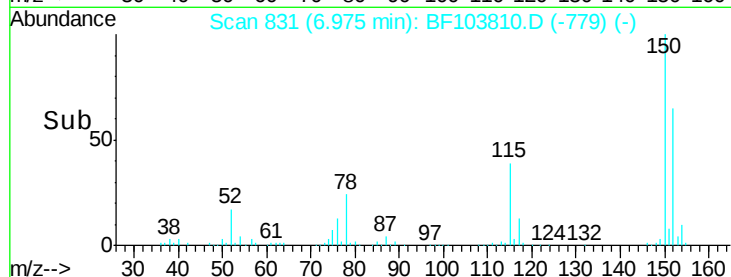
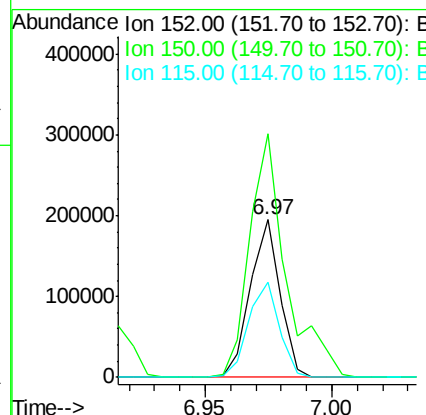
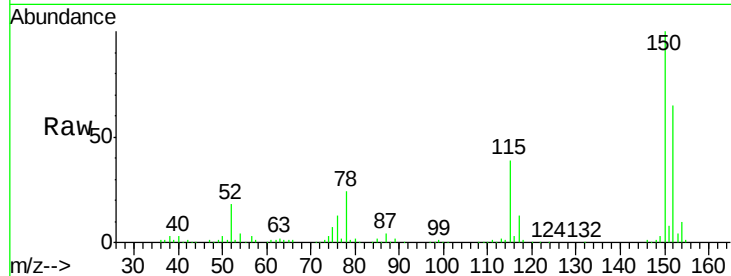
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	60.3	50.1	75.1

Manual Integrations
APPROVED

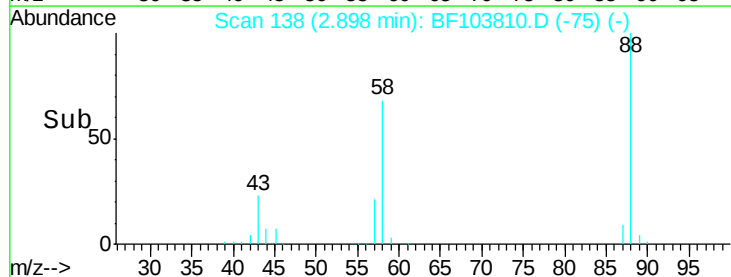
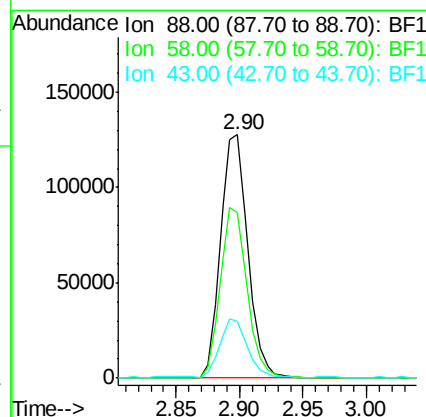
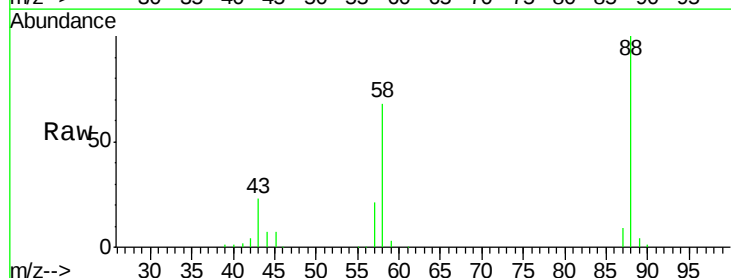
Sohil
3/22/2018 12:57:41 PM

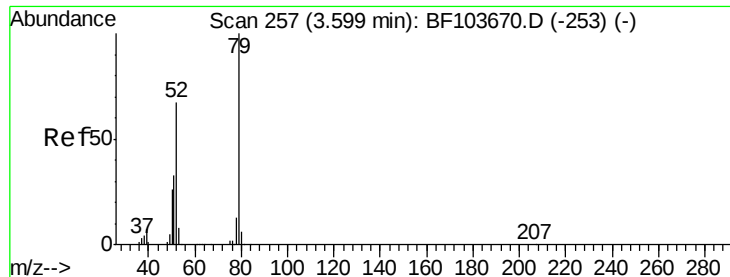


#2

1,4-Dioxane
Concen: 36.984 ng
RT: 2.90 min Scan# 138
Delta R.T. 0.07 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	62.6	93.8
43	24.0	24.6	37.0





#3

Pvridine

Concen: 34.066 ng

RT: 3.66 min Scan# 268

Delta R.T. 0.06 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

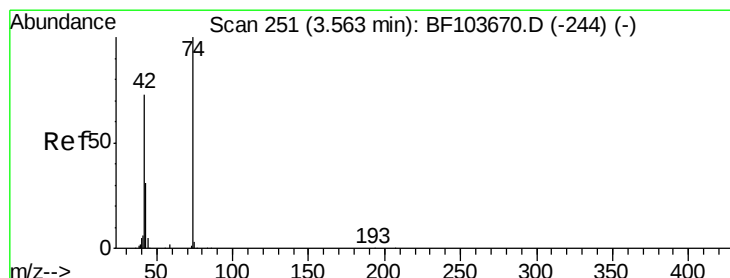
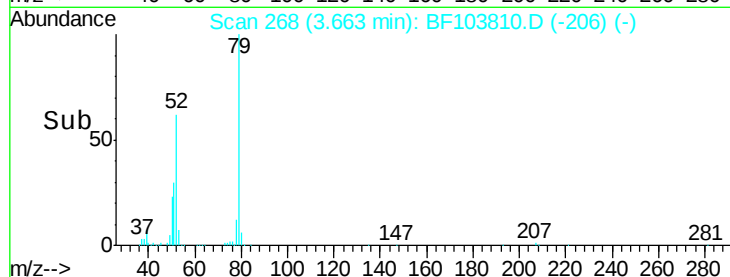
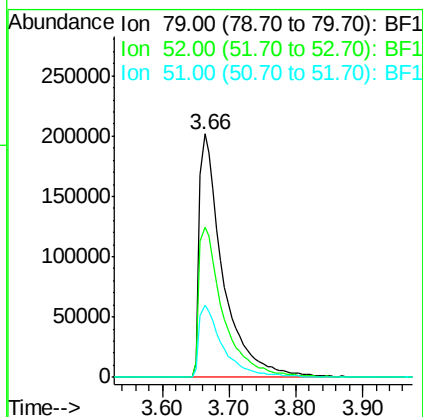
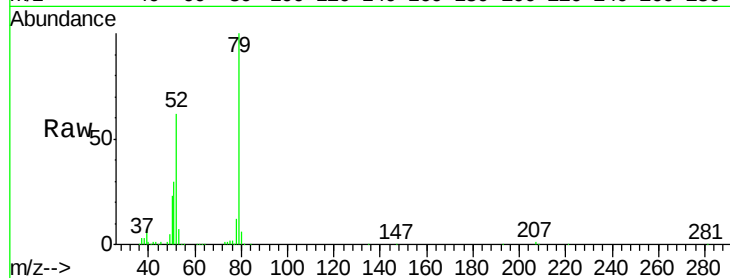
ClientSampled :

FS-SOILMS

Tot Ion:	79	Resp:	485935
Ion Ratio	Lower	Upper	
79	100		
52	61.6	59.8	89.6
51	29.8	29.8	44.8

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#4

n-Nitrosodimethylamine

Concen: 41.717 ng

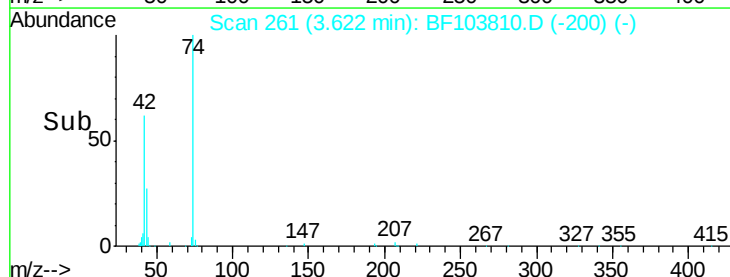
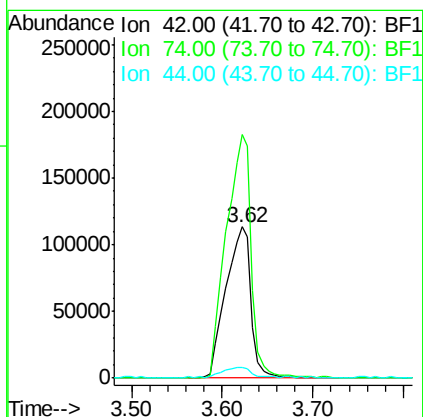
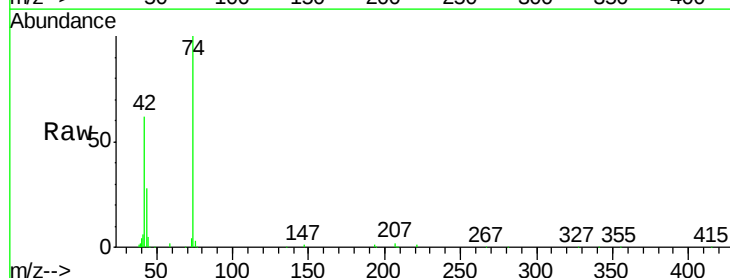
RT: 3.62 min Scan# 261

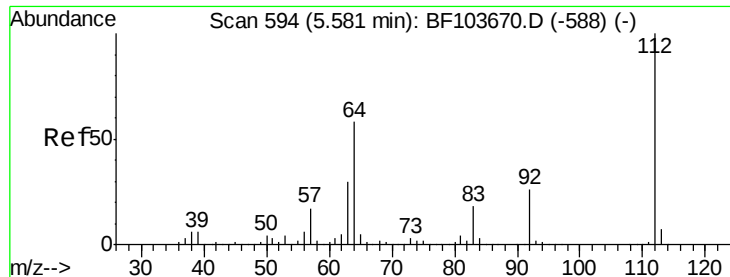
Delta R.T. 0.06 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	42	Resp:	219416
Ion Ratio	Lower	Upper	
42	100		
74	161.2	104.9	157.3#
44	7.3	6.9	10.3





#5

2-Fluorophenol

Concen: 122.987 ng

RT: 5.60 min Scan# 598

Delta R.T. 0.02 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion:112 Resp: 1295340

Ion Ratio Lower Upper

112 100

64 56.3 47.9 71.9

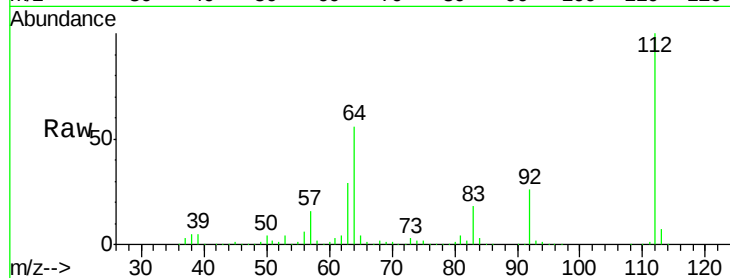
63 28.5 23.7 35.5

Manual Integrations

APPROVED

Sohil

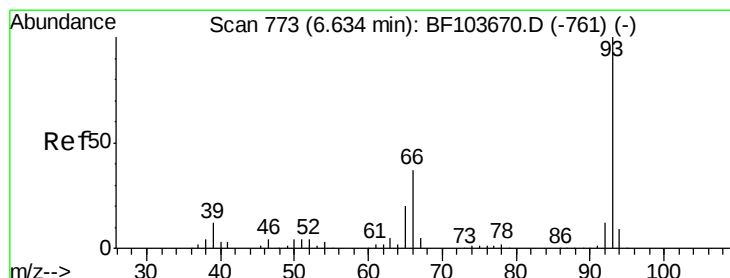
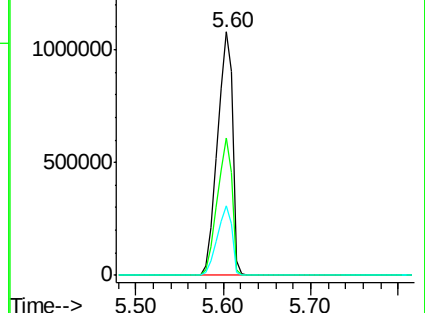
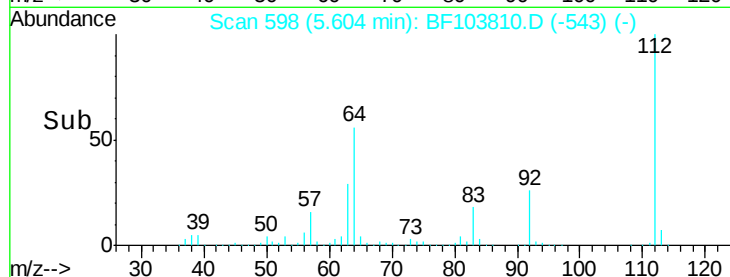
3/22/2018 12:57:41 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.198 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

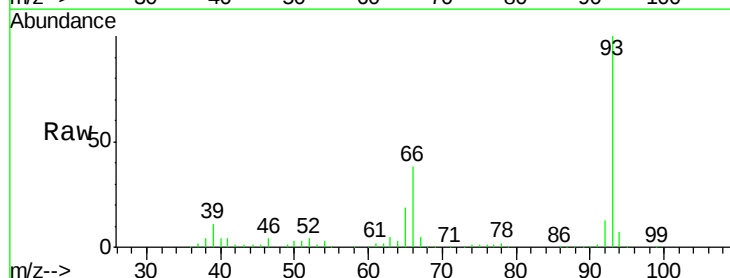
Tgt Ion: 93 Resp: 445234

Ion Ratio Lower Upper

93 100

66 37.8 32.2 48.2

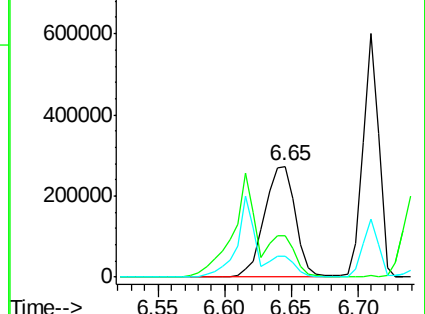
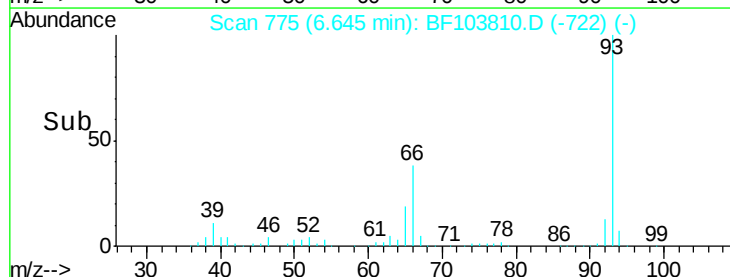
65 18.8 16.4 24.6

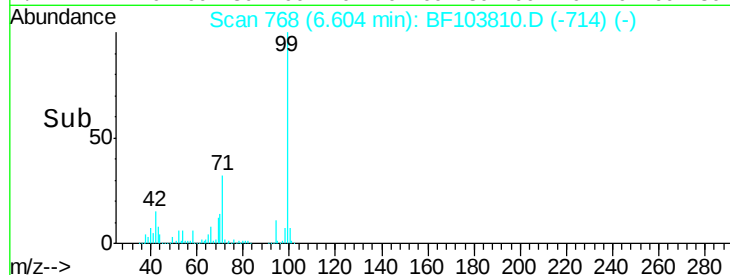
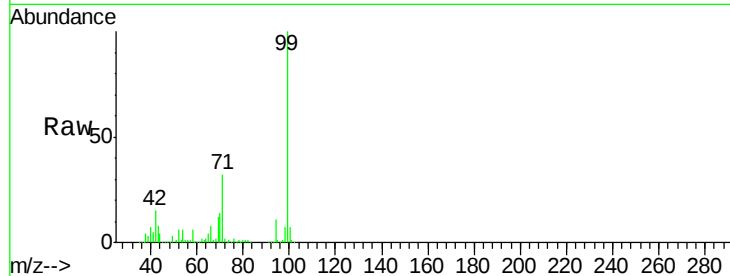


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 134.078 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.02 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tot Ion:	99	Resp:	1727671
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	32.1	25.4	38.0

Instrument :

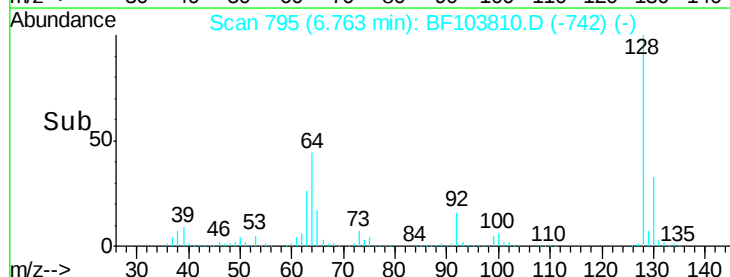
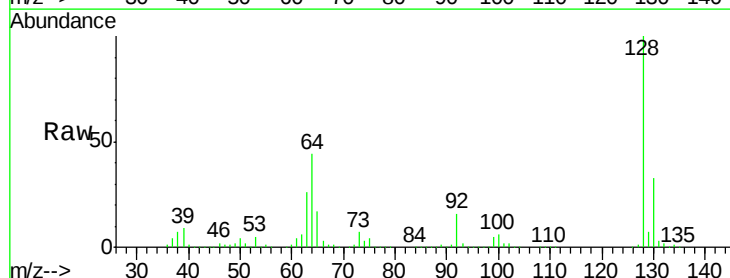
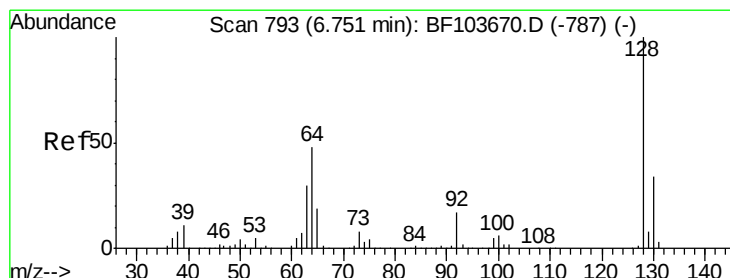
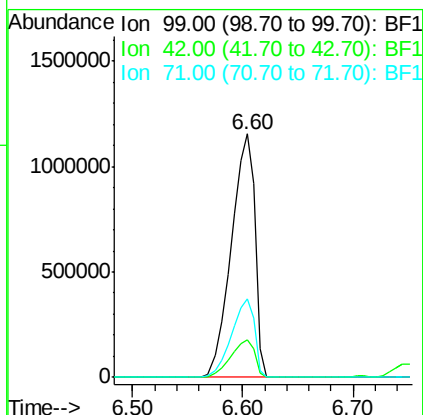
BNA_F

ClientSampleId :

FS-SOILMS

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#8

2-Chlorophenol

Concen: 44.855 ng

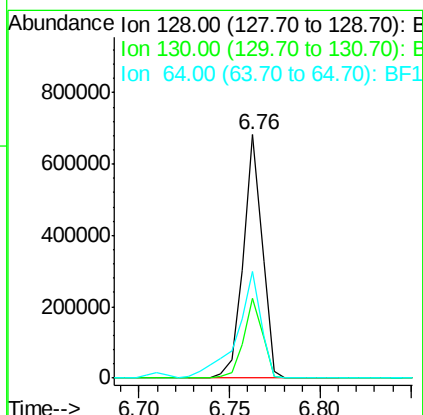
RT: 6.76 min Scan# 795

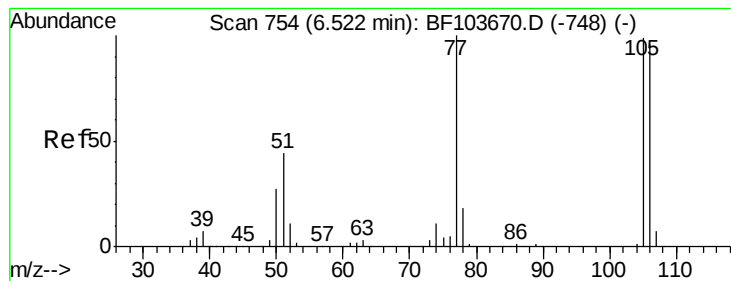
Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	128	Resp:	494896
Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.0	53.0
64	44.0	29.4	69.4





#9

Benzaldehyde

Concen: 18.822 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

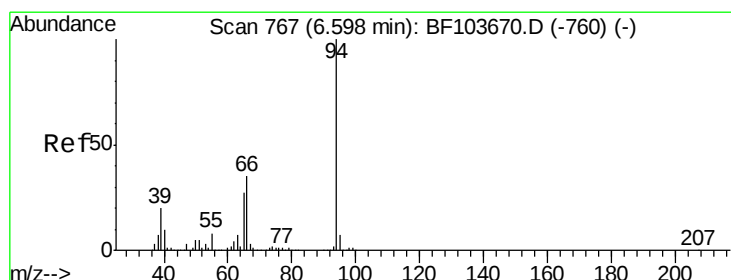
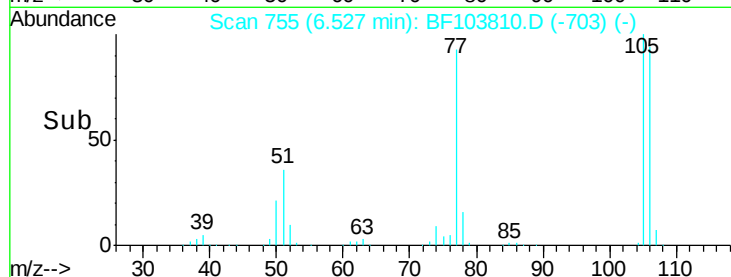
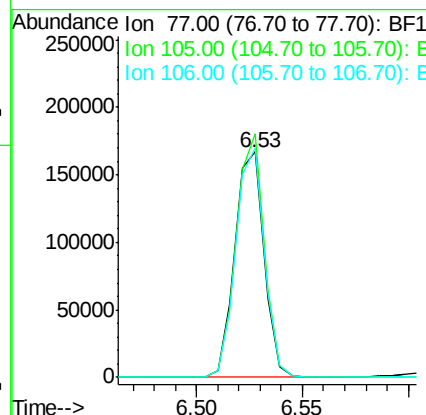
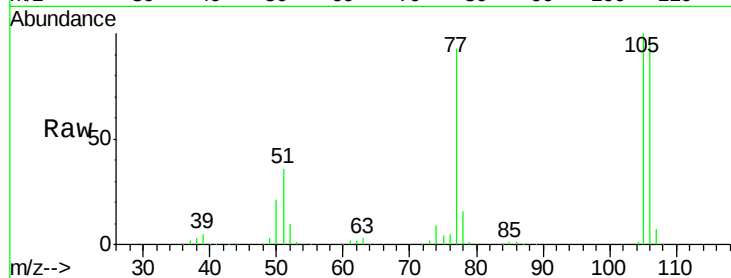
ClientSampleId :

FS-SOILMS

Tot Ion:	77	Resp:	159333
Ion Ratio	Lower	Upper	
77	100		
105	108.1	81.1	121.1
106	101.6	74.5	114.5

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#10

Phenol

Concen: 46.525 ng

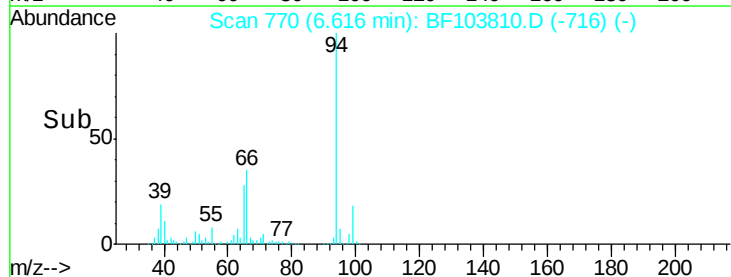
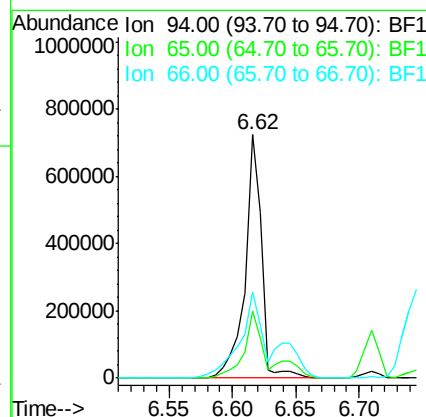
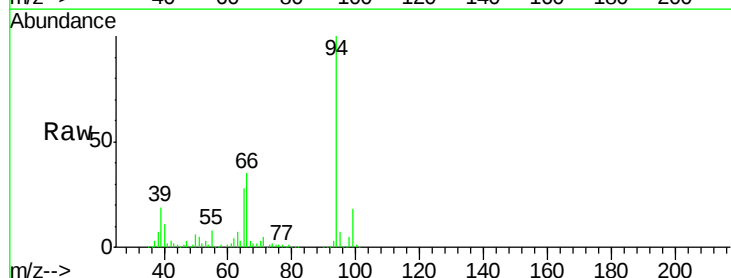
RT: 6.62 min Scan# 770

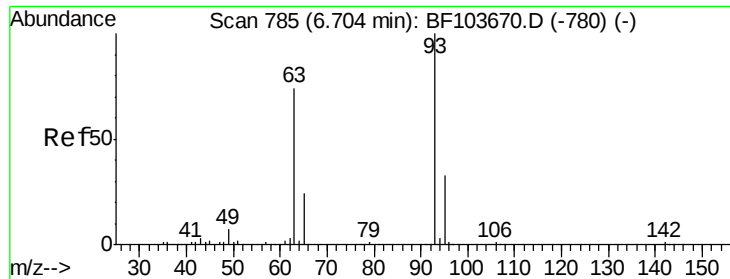
Delta R.T. 0.02 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	94	Resp:	637037
Ion Ratio	Lower	Upper	
94	100		
65	27.7	7.9	47.9
66	35.5	16.2	56.2





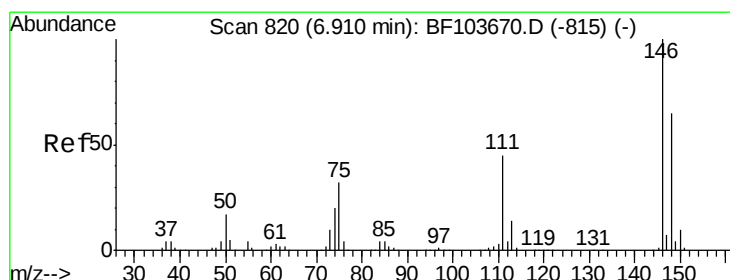
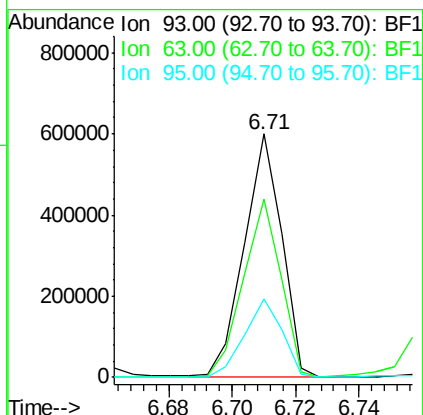
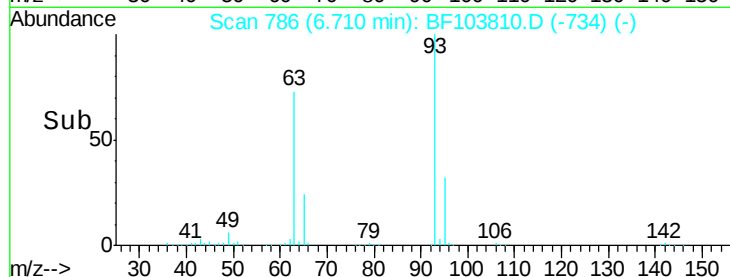
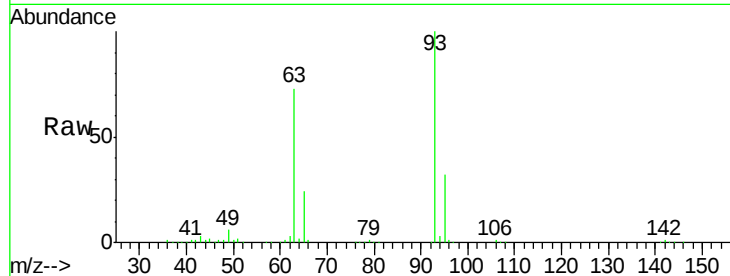
#11
bis(2-Chloroethyl)ether
Concen: 43.520 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion:	93	Resp:	491914
Ion Ratio	Lower	Upper	
93	100		
63	73.2	58.6	98.6
95	32.0	11.8	51.8

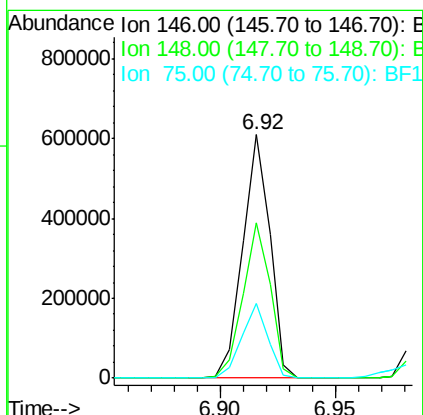
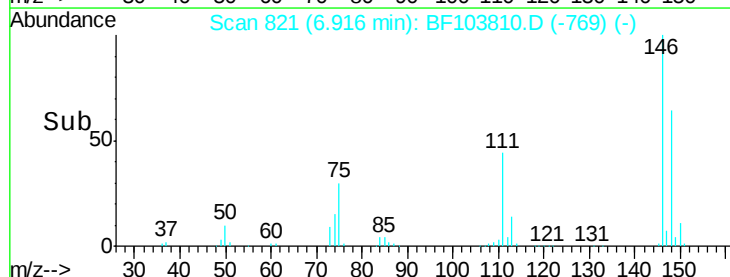
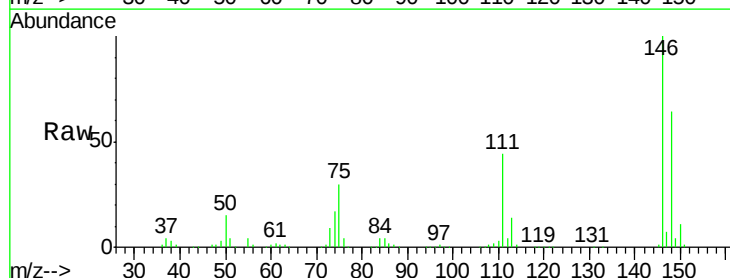
Manual Integrations
APPROVED

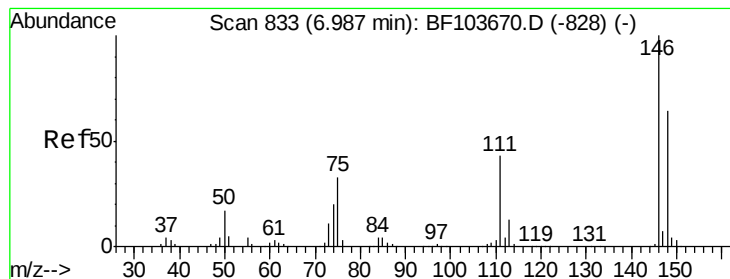
Sohil
3/22/2018 12:57:41 PM



#12
1,3-Dichlorobenzene
Concen: 40.043 ng
RT: 6.92 min Scan# 821
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion:	146	Resp:	503192
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.8	77.8
75	30.4	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 38.751 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

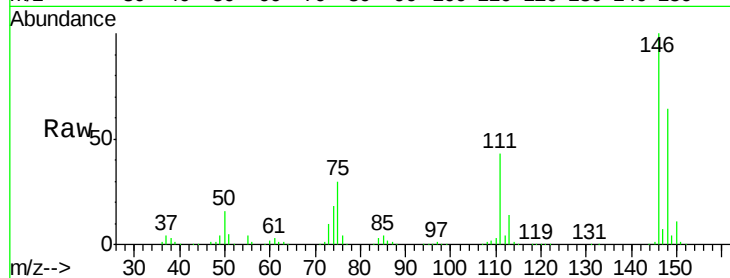
ClientSampled :

FS-SOILMS

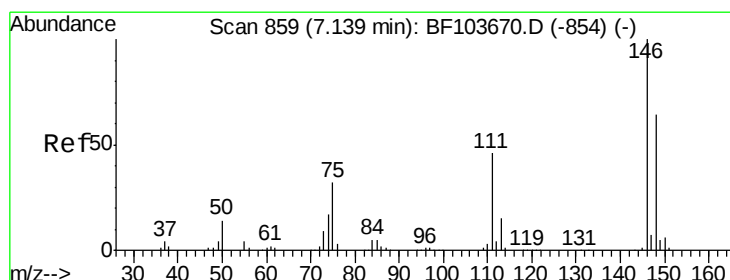
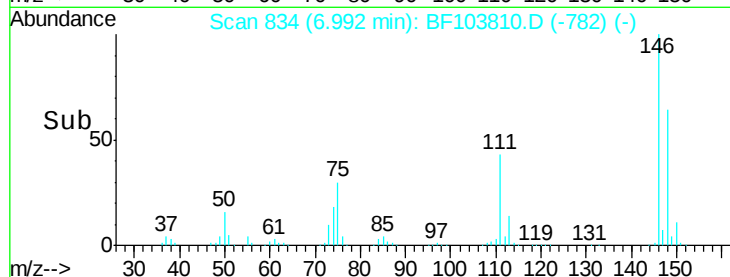
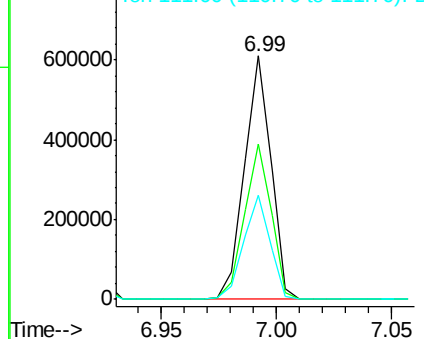
Tot Ion:	146	Resp:	489322
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.8	76.2
111	42.9	34.2	51.2

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.600 ng

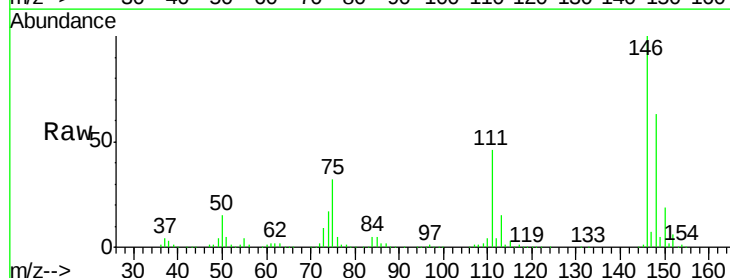
RT: 7.15 min Scan# 860

Delta R.T. 0.01 min

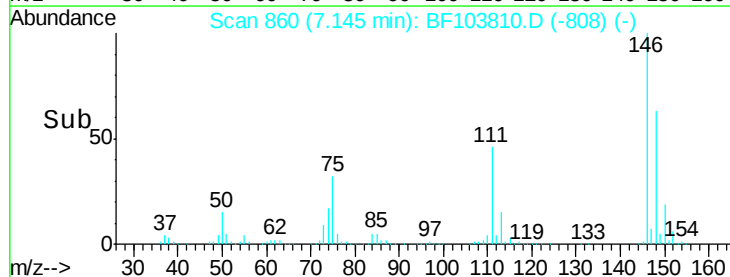
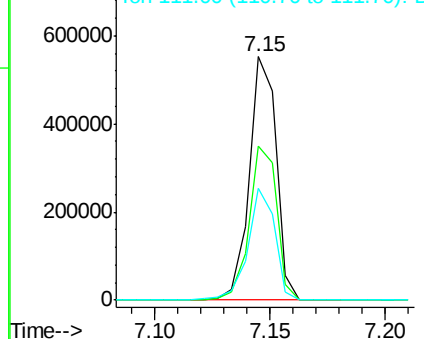
Lab File: BF103810.D

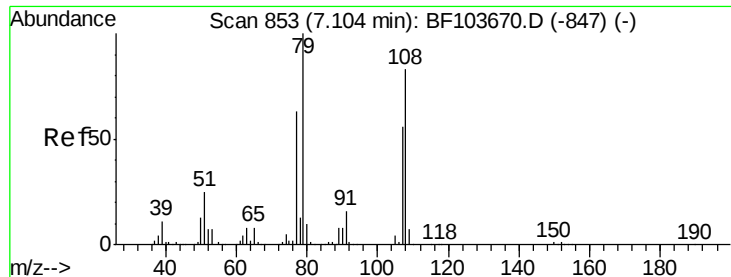
Acq: 20 Mar 2018 18:51

Tgt Ion:	146	Resp:	452290
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.6	75.8
111	45.9	36.0	54.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.267 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

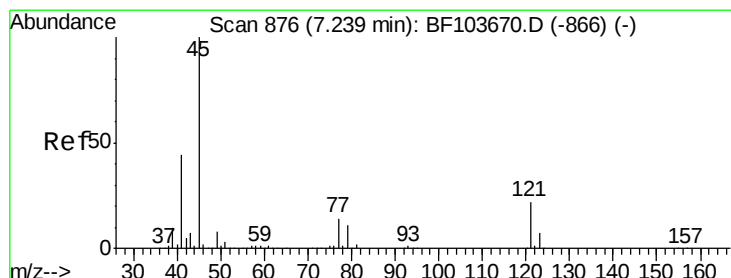
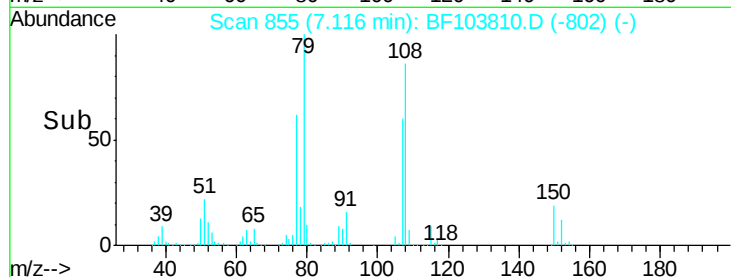
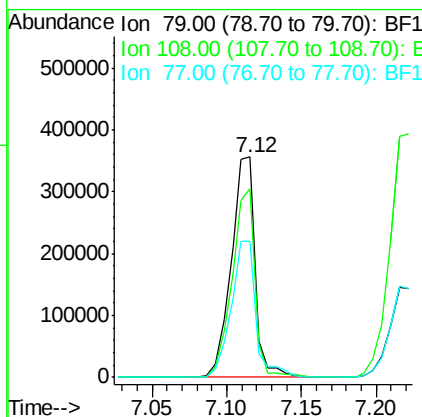
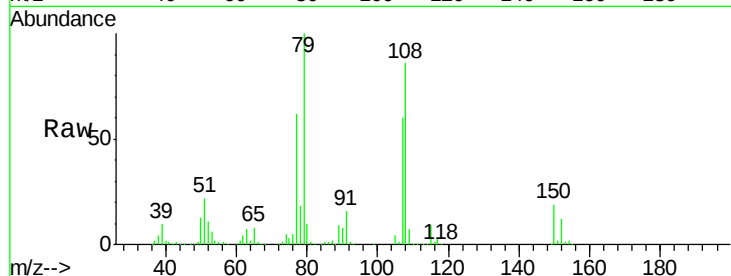
ClientSampled :

FS-SOILMS

Tot Ion:	79	Resp:	402016
Ion Ratio	Lower	Upper	
79	100		
108	85.6	65.1	97.7
77	61.6	50.6	75.8

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.750 ng

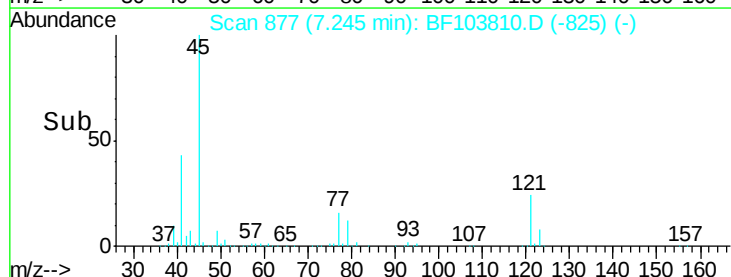
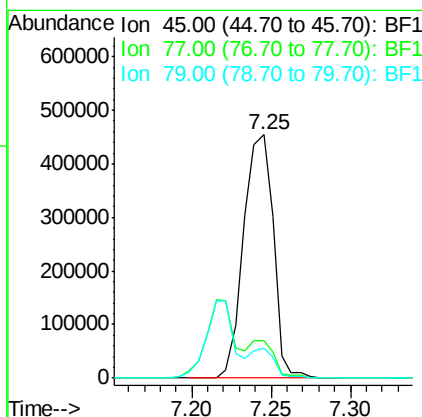
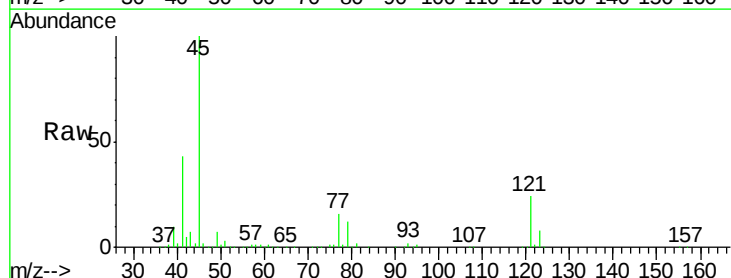
RT: 7.25 min Scan# 877

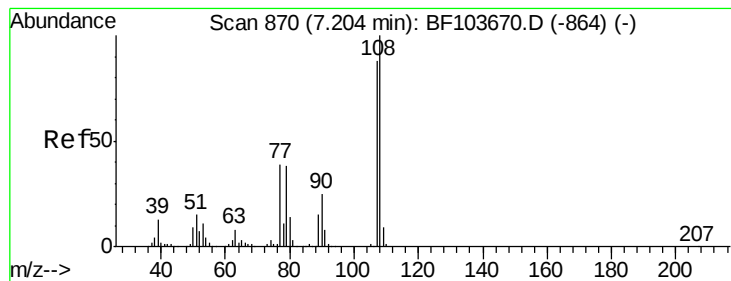
Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	45	Resp:	590825
Ion Ratio	Lower	Upper	
45	100		
77	15.7	0.0	32.9
79	12.0	0.0	29.6





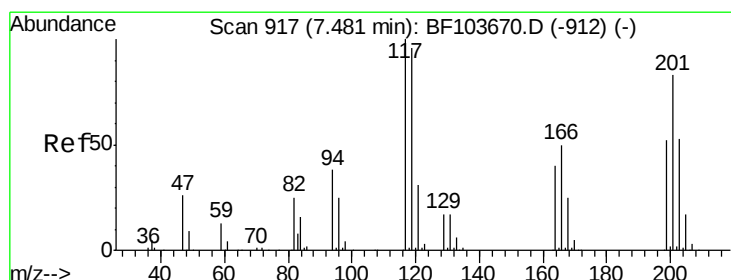
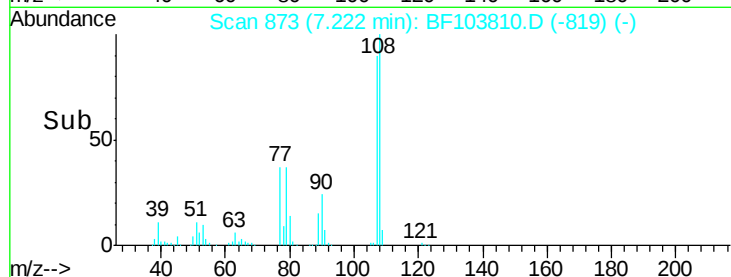
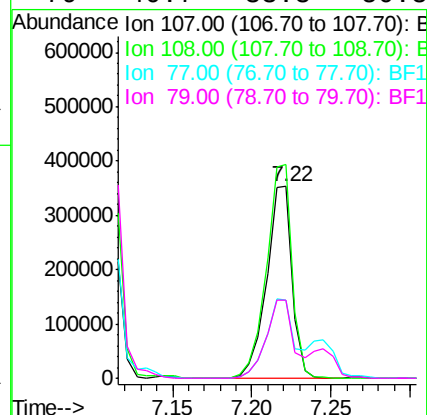
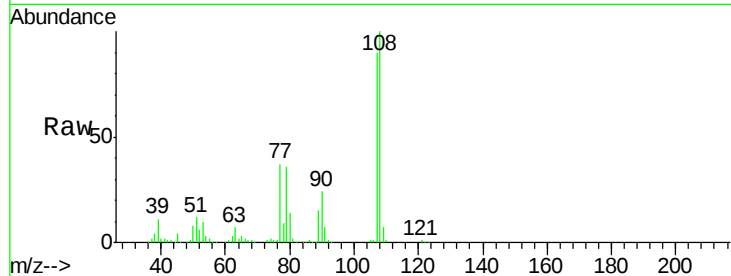
#17
2-Methylphenol
Concen: 40.806 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.02 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion:	107	Resp:	400927
Ion Ratio	Lower	Upper	
107	100		
108	111.5	91.7	137.5
77	40.9	33.8	50.8
79	40.7	33.8	50.8

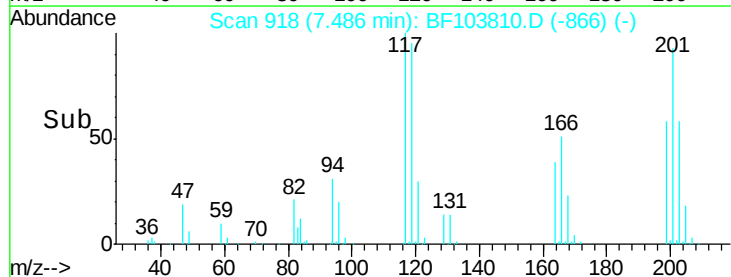
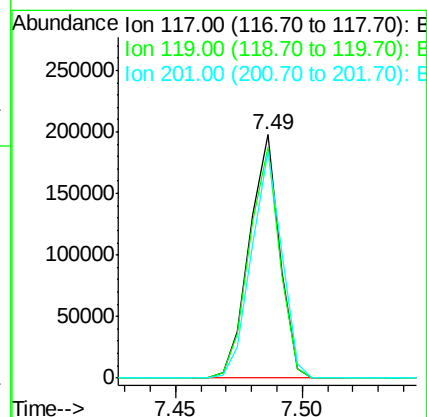
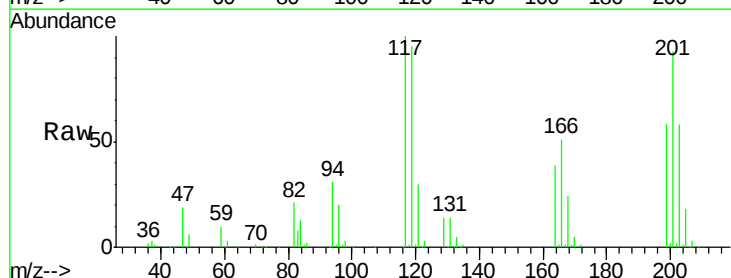
Manual Integrations
APPROVED

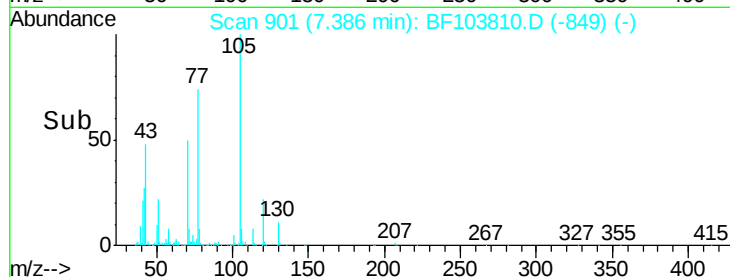
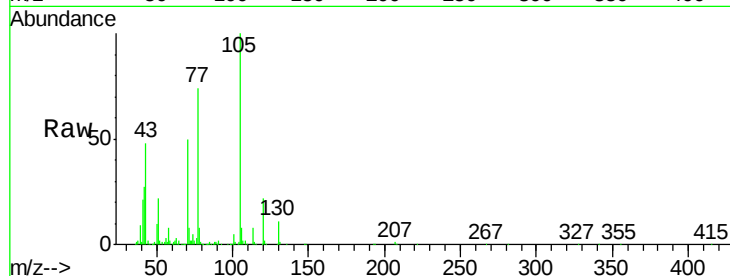
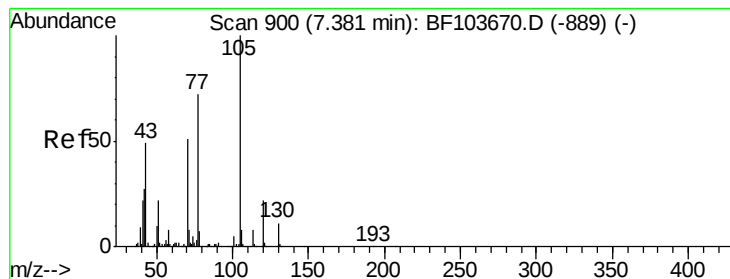
Sohil
3/22/2018 12:57:41 PM



#18
Hexachloroethane
Concen: 37.035 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion:	117	Resp:	164497
Ion Ratio	Lower	Upper	
117	100		
119	95.1	75.8	113.8
201	93.2	75.7	113.5





#19

n-Nitroso-di-n-propylamine

Concen: 37.161 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion: 70 Resp: 306874

Ion Ratio Lower Upper

70 100

42 52.8 47.5 71.3

101 9.8 7.4 11.2

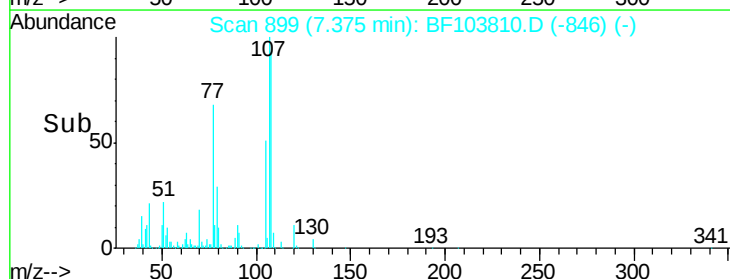
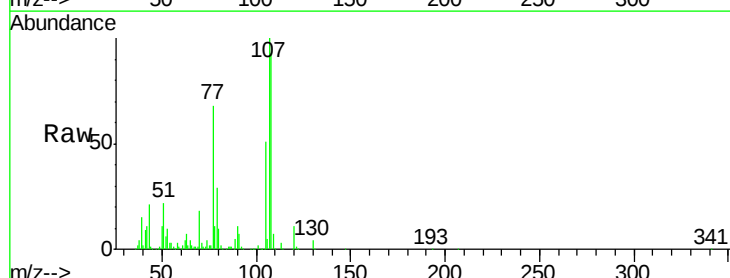
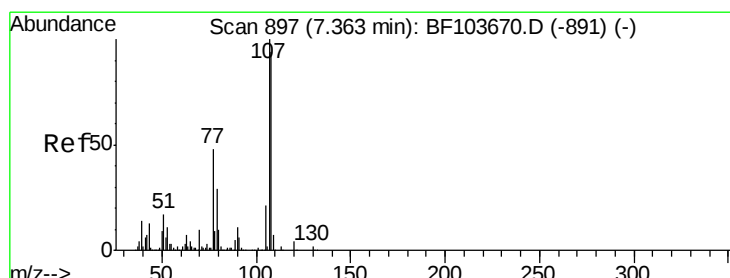
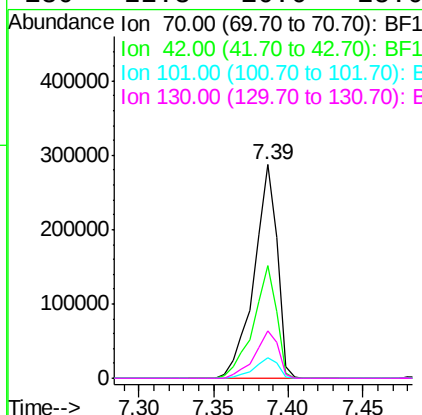
130 22.3 16.6 25.0

Manual Integrations

APPROVED

Sohil

3/22/2018 12:57:41 PM



#20

3+4-Methylphenols

Concen: 38.690 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion: 107 Resp: 482428

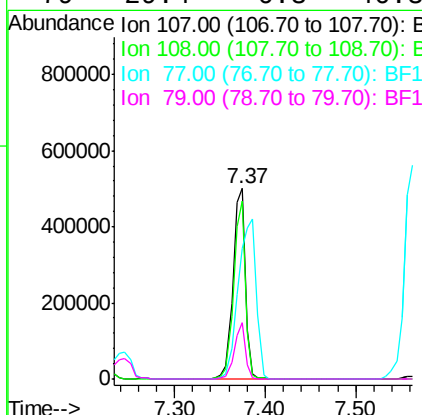
Ion Ratio Lower Upper

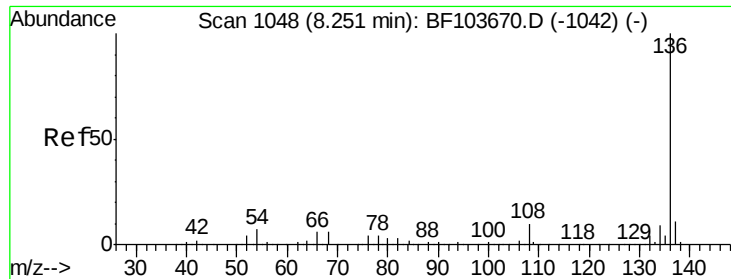
107 100

108 93.3 68.2 108.2

77 68.4 26.7 66.7#

79 29.4 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

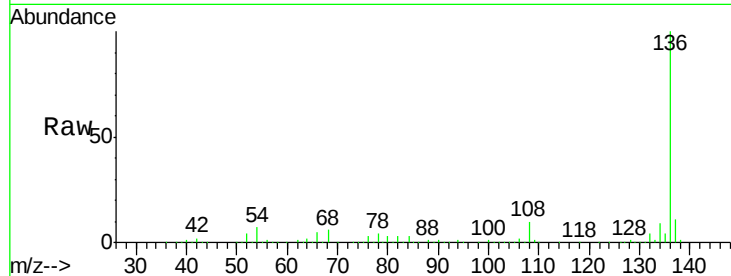
ClientSampled :

FS-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		641509		
137	11.2		8.9	13.3	
54	7.0		6.6	9.8	
68	6.4		5.0	7.4	

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM

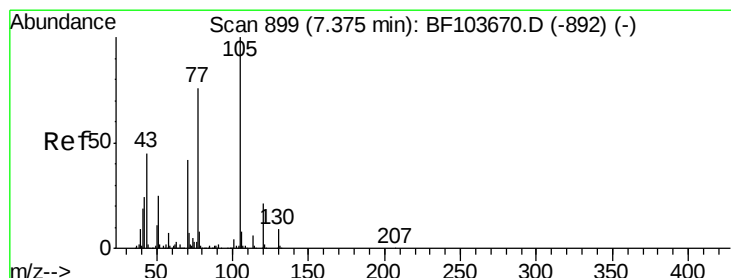
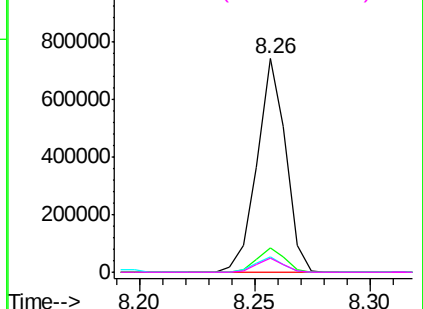
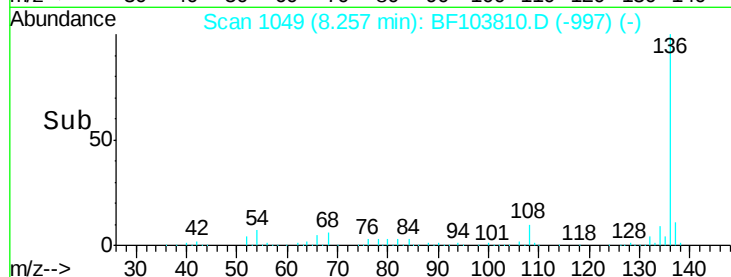


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 37.067 ng

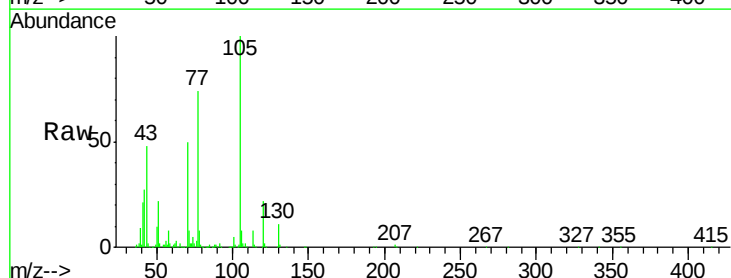
RT: 7.39 min Scan# 901

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		611121		
71	8.2		4.4	6.6#	
51	21.9		22.3	33.5#	
120	22.0		16.9	25.3	

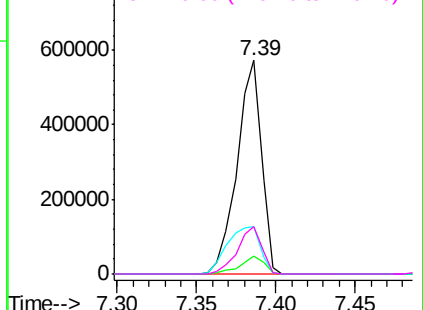
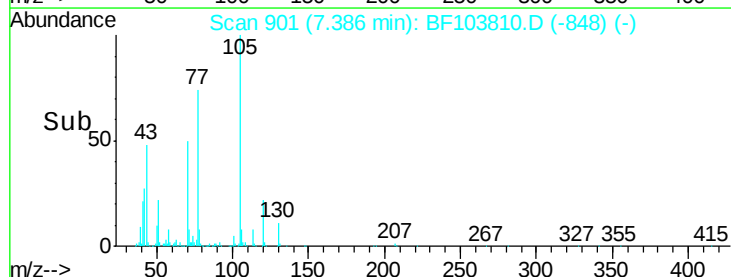


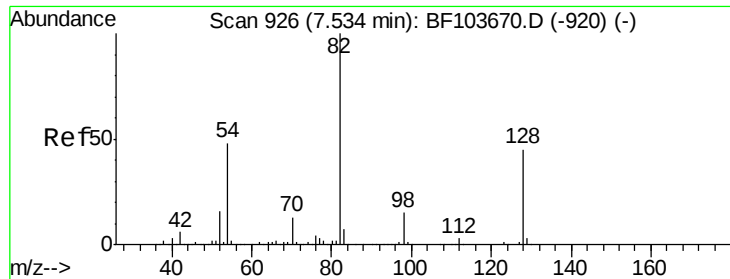
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





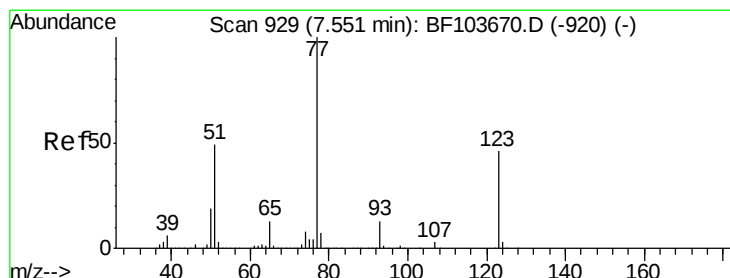
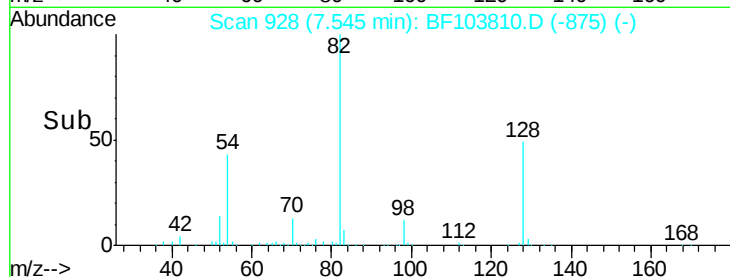
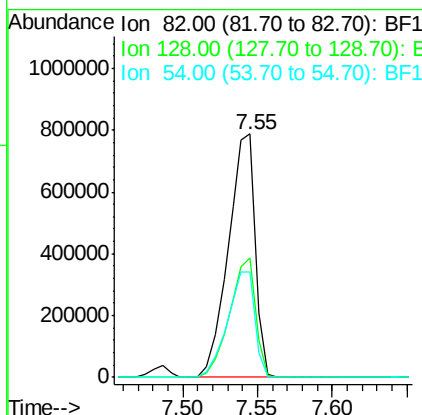
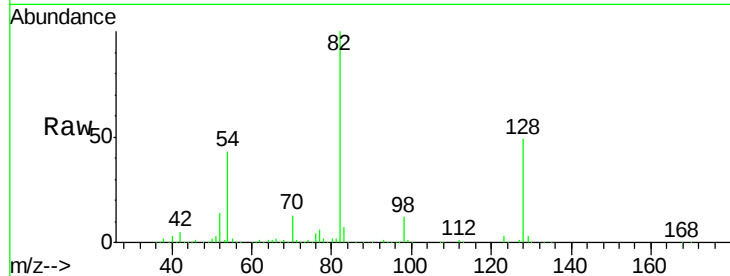
#23
 Nitrobenzene-d5
 Concen: 108.242 ng
 RT: 7.55 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampled :
 FS-SOILMS

Tot Ion	82	Resp	995728
Ion Ratio	100	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	43.1	41.4	62.2

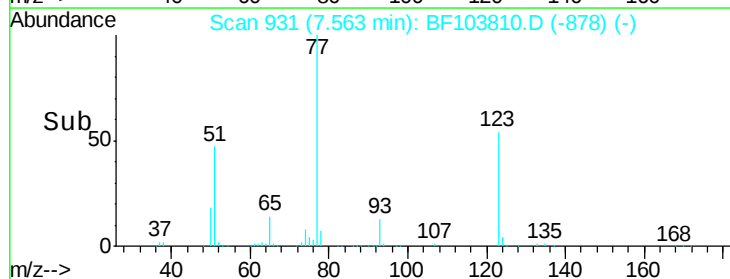
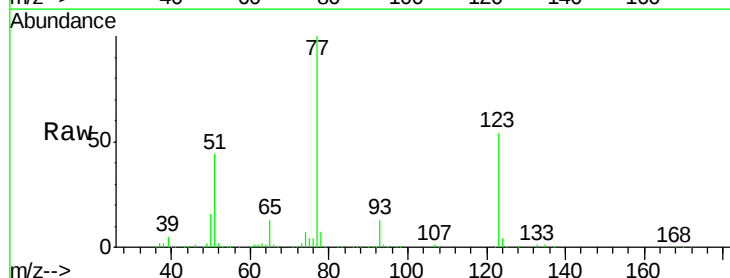
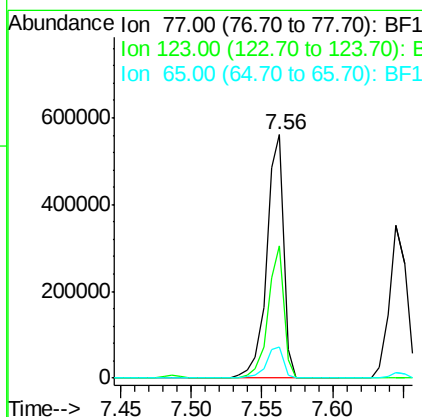
Manual Integrations
 APPROVED

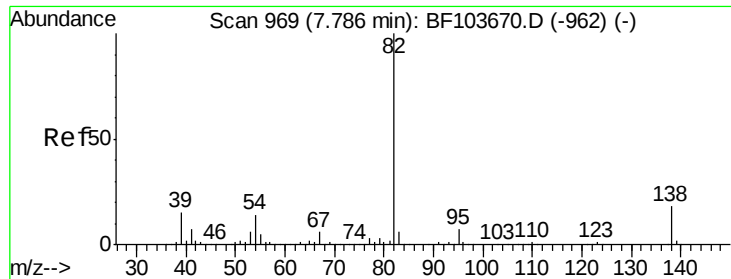
Sohil
 3/22/2018 12:57:41 PM



#24
 Nitrobenzene
 Concen: 44.227 ng
 RT: 7.56 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	77	Resp	477649
Ion Ratio	100	Lower	Upper
77	100		
123	54.1	37.9	56.9
65	12.9	11.0	16.4





#25

Isophorone

Concen: 41.950 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

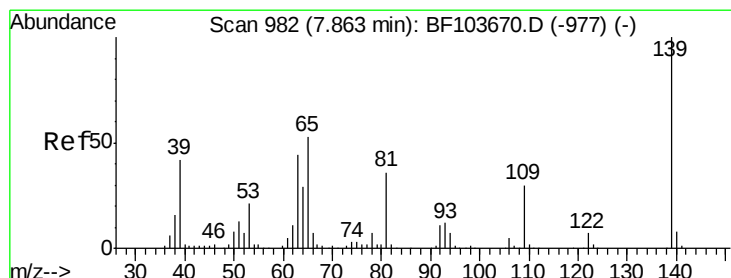
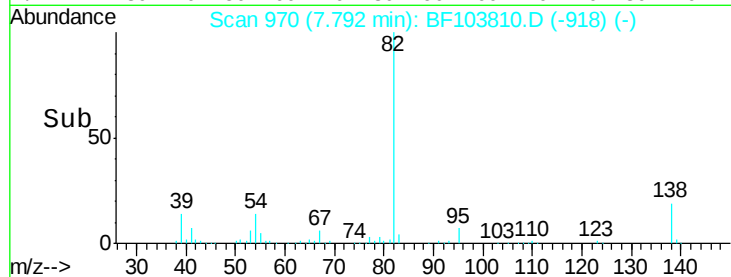
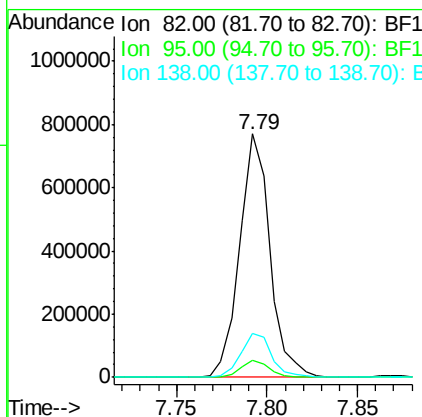
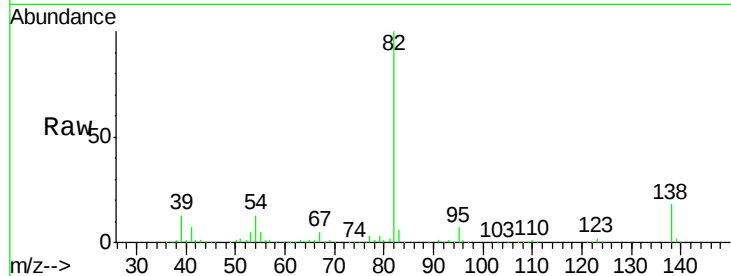
ClientSampleId :

FS-SOILMS

Tot Ion:	82	Resp:	893337
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.2	7.8
138	18.2	14.9	22.3

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#26

2-Nitrophenol

Concen: 58.921 ng

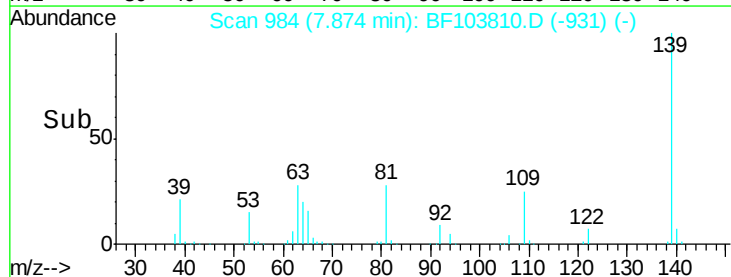
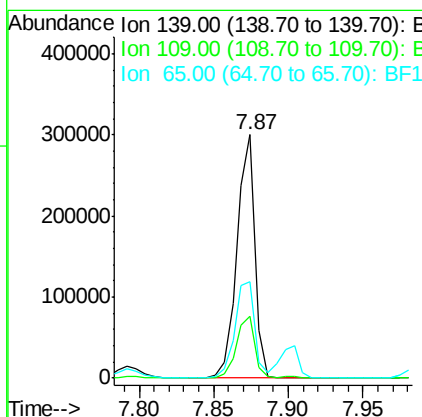
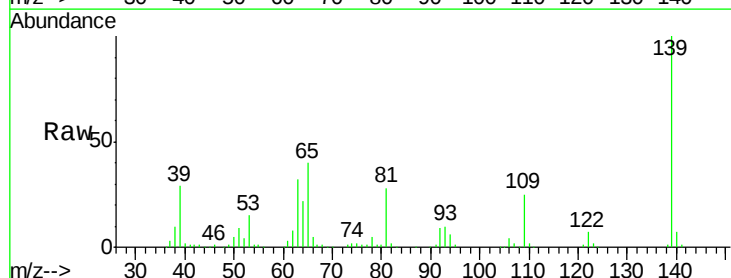
RT: 7.87 min Scan# 984

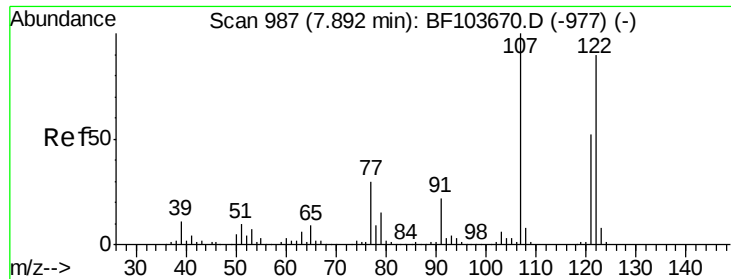
Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	139	Resp:	253100
Ion Ratio		Lower	Upper
139	100		
109	25.3	22.7	34.1
65	39.6	40.5	60.7#





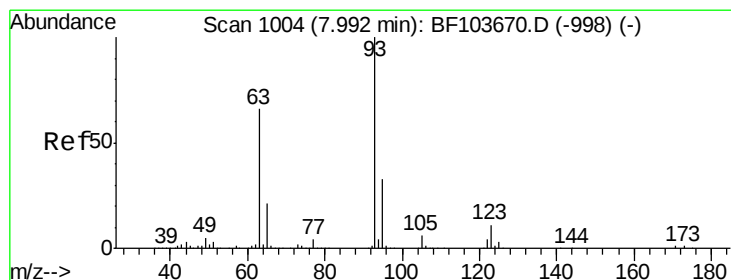
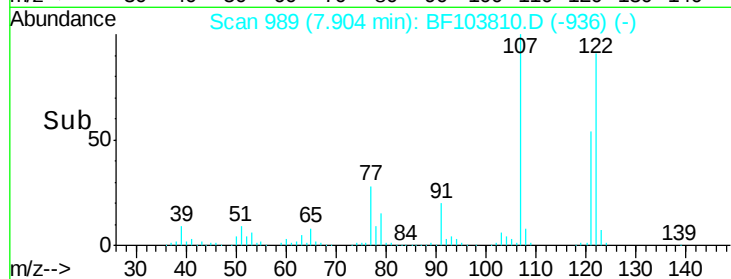
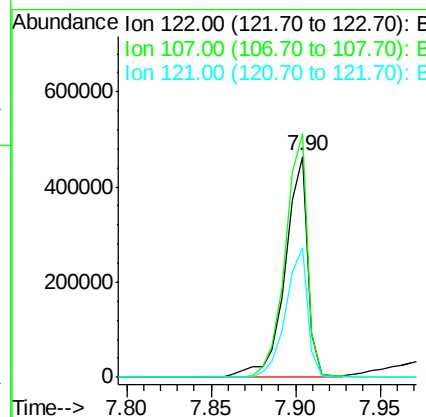
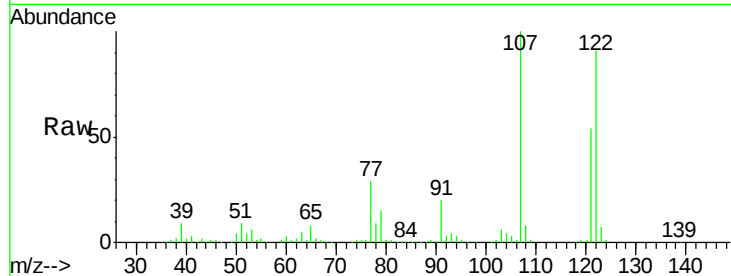
#27
2,4-Dimethylphenol
Concen: 47.566 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.3	91.2	136.8
121	59.0	47.2	70.8

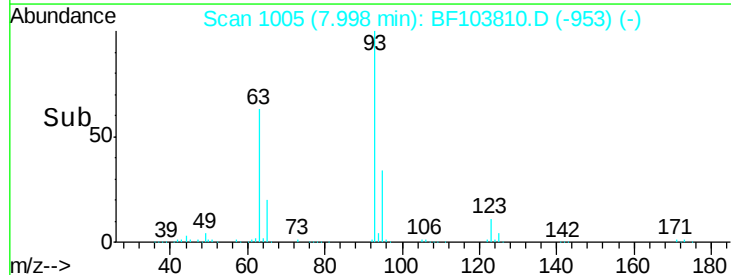
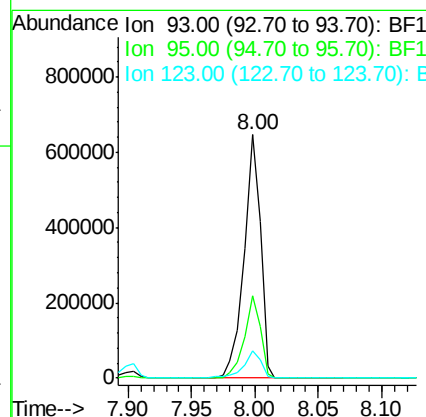
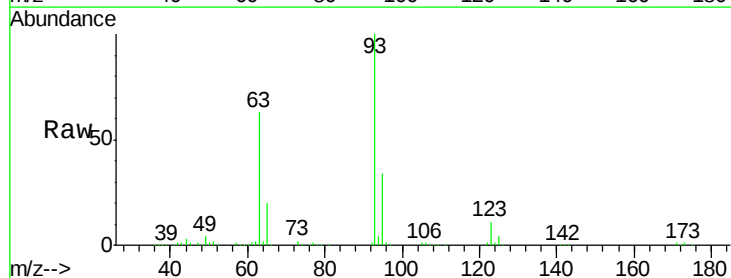
Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#28
bis(2-Chloroethoxy)methane
Concen: 44.528 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.3	39.5
123	11.2	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 46.477 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

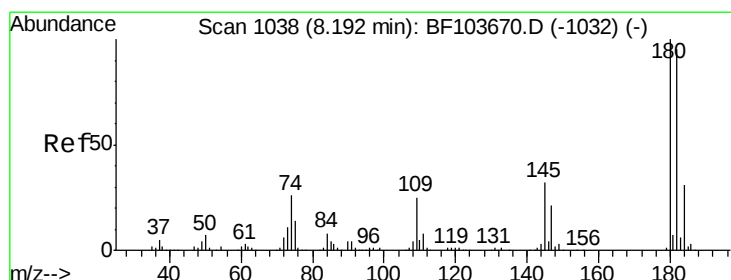
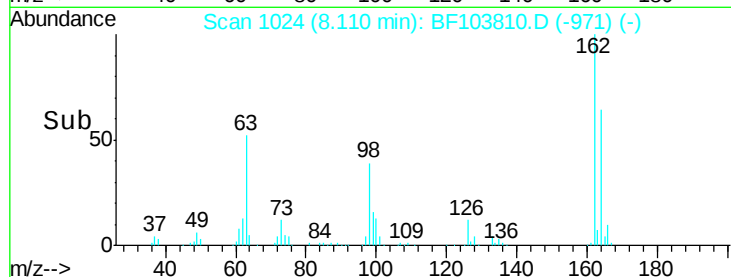
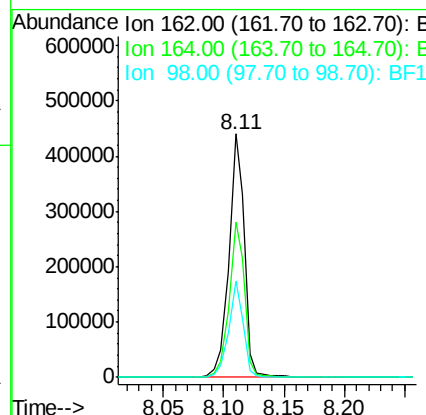
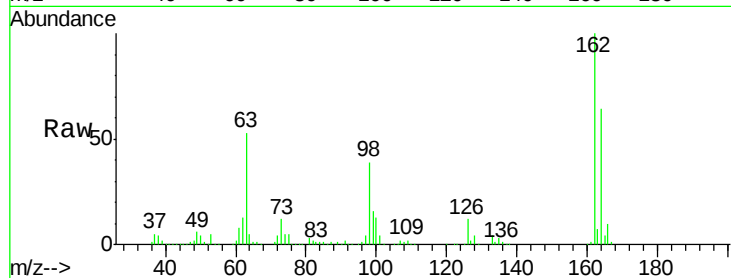
ClientSampleId :

FS-SOILMS

Tot Ion:	162	Resp:	385759
Ion Ratio	Lower	Upper	
162	100		
164	64.0	42.7	82.7
98	39.4	18.1	58.1

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#30

1,2,4-Trichlorobenzene

Concen: 40.662 ng

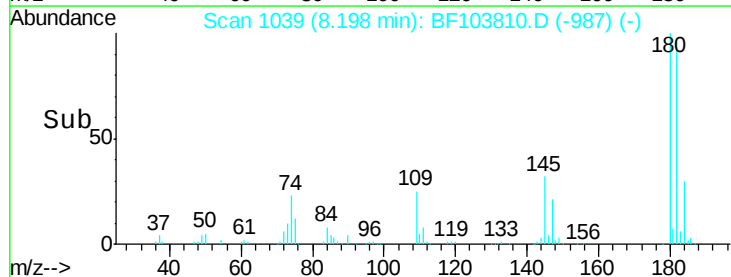
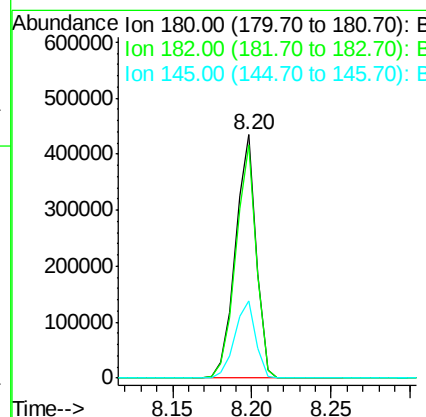
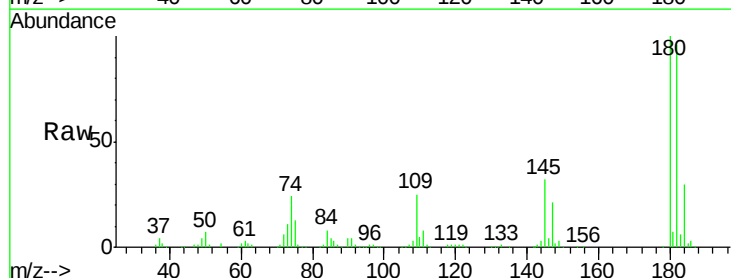
RT: 8.20 min Scan# 1039

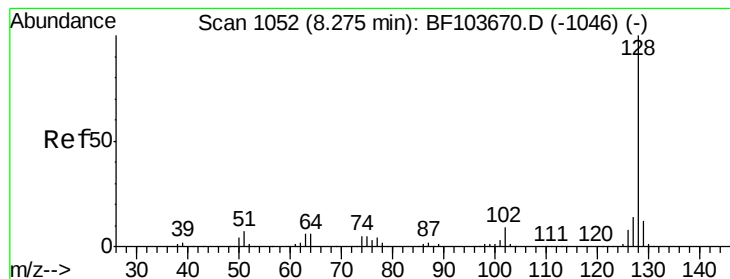
Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	180	Resp:	391437
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.8	115.2
145	32.0	26.5	39.7





#31

Naphthalene

Concen: 39.980 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion:128 Resp: 1295577

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

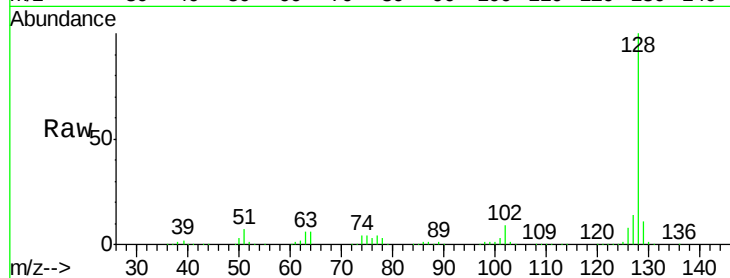
127 13.6 10.9 16.3

Manual Integrations

APPROVED

Sohil

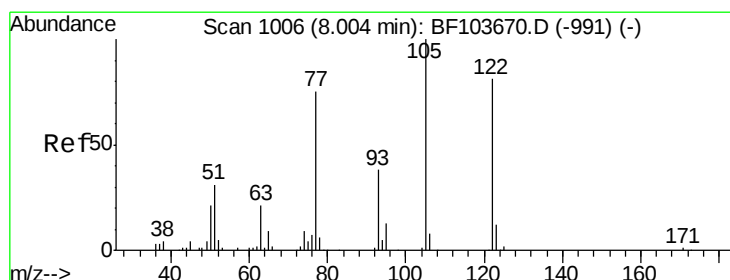
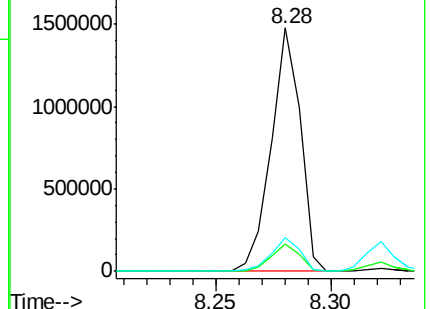
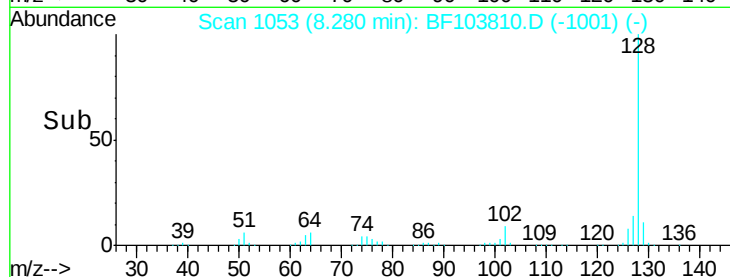
3/22/2018 12:57:41 PM



Abundance Ion 128.00 (127.70 to 128.70): E

2000000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 18.638 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.03 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

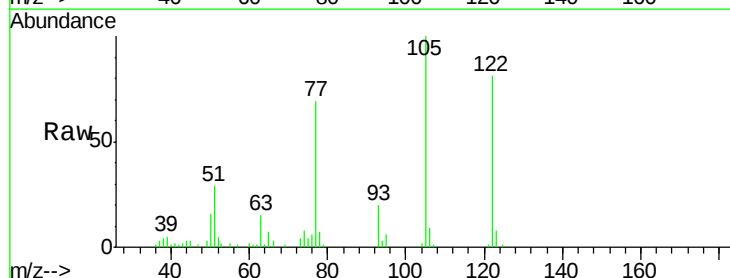
Tgt Ion:122 Resp: 70830

Ion Ratio Lower Upper

122 100

105 123.1 101.1 141.1

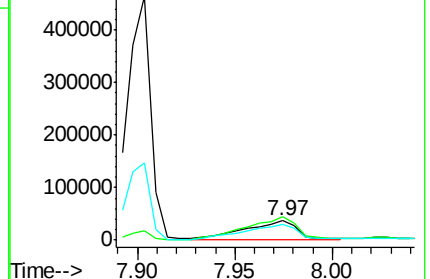
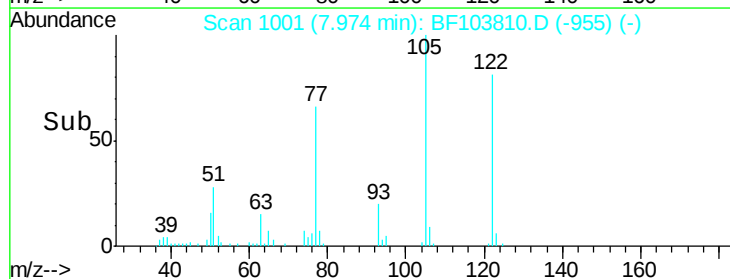
77 85.5 70.7 110.7

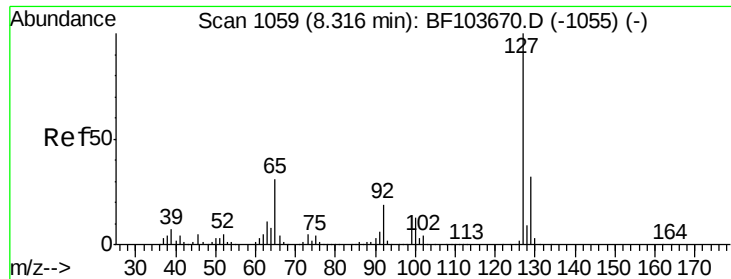


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





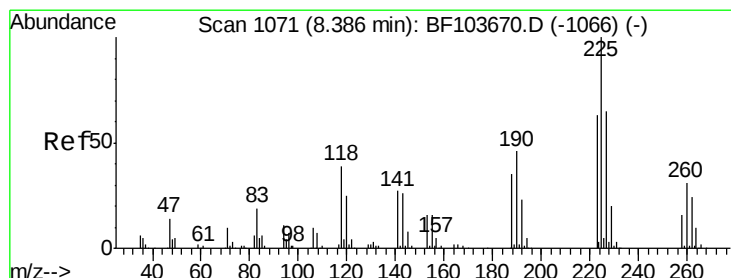
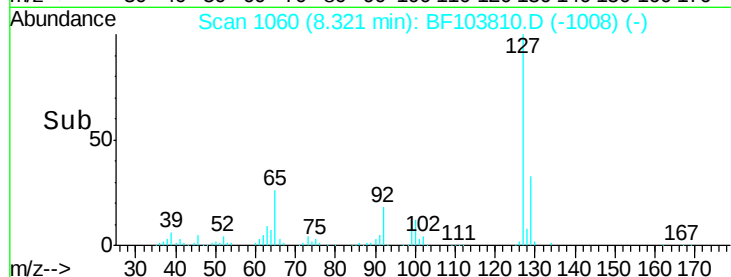
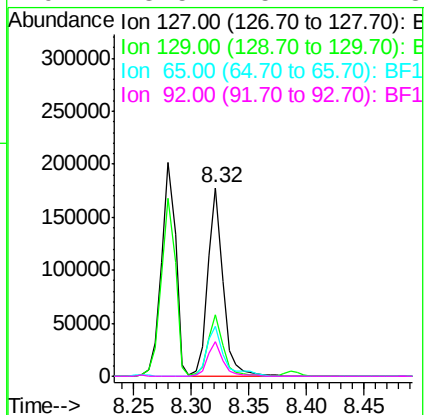
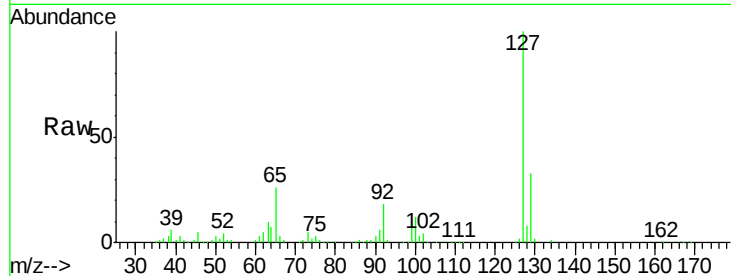
#33
4-Chloroaniline
Concen: 12.153 ng
RT: 8.32 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7		25.9	38.9	
65	26.3		25.0	37.4	
92	18.5		15.2	22.8	

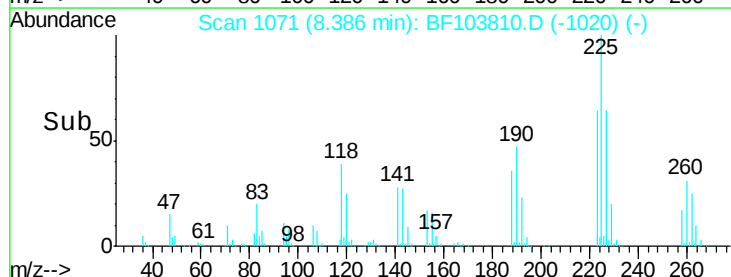
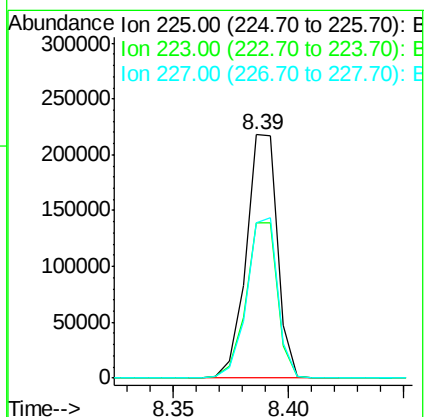
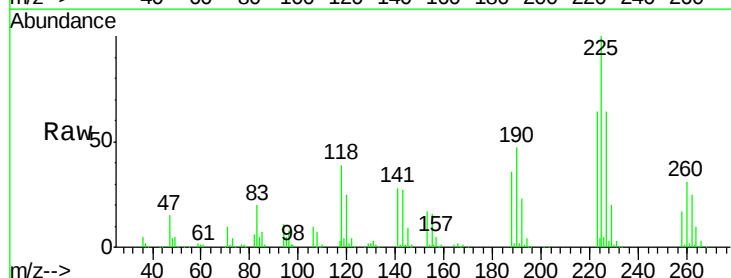
Manual Integrations
APPROVED

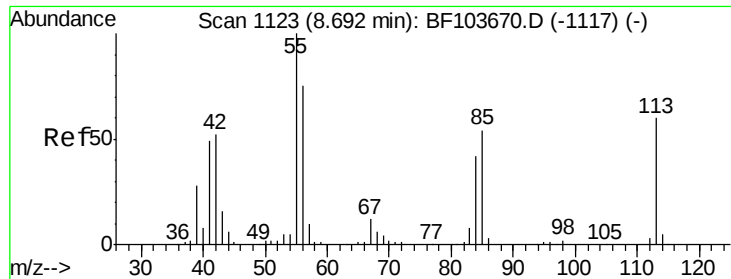
Sohil
3/22/2018 12:57:41 PM



#34
Hexachlorobutadiene
Concen: 39.164 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.6		50.6	76.0	
227	63.9		51.9	77.9	





#35

Caprolactam

Concen: 41.845 ng/ml

RT: 8.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion:113 Resp: 119594

Ion Ratio Lower Upper

113 100

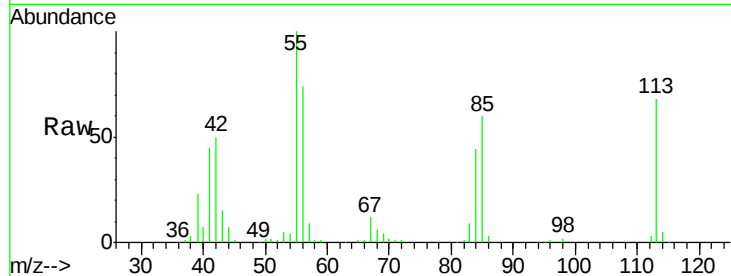
55 147.5 163.3 203.3#

56 109.8 115.7 155.7#

Manual Integrations
APPROVED

Sohil

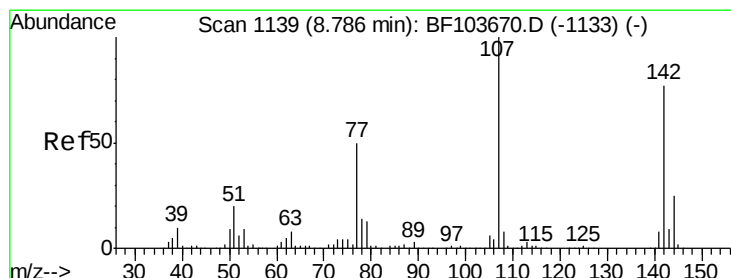
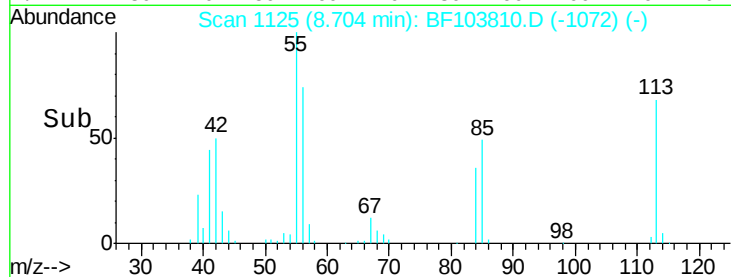
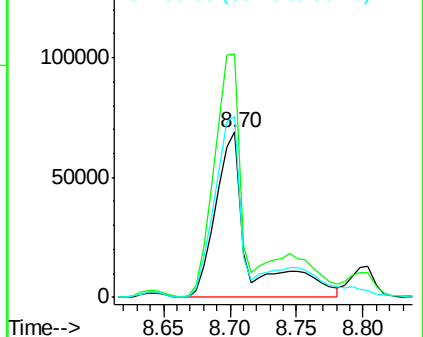
3/22/2018 12:57:41 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 45.965 ng/ml

RT: 8.80 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

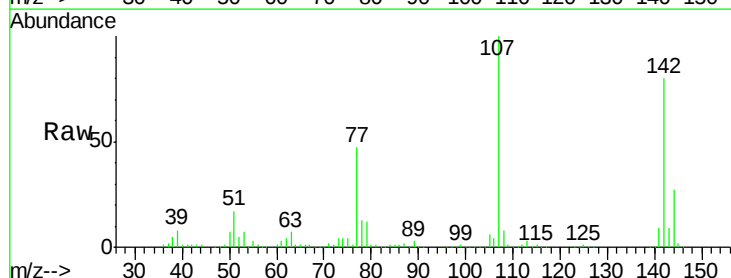
Tgt Ion:107 Resp: 420577

Ion Ratio Lower Upper

107 100

144 26.6 20.5 30.7

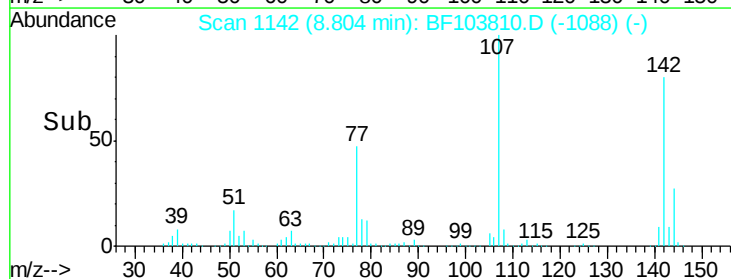
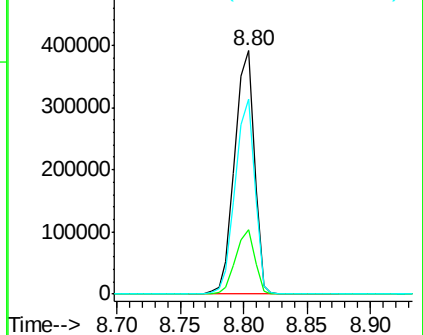
142 80.1 62.0 93.0

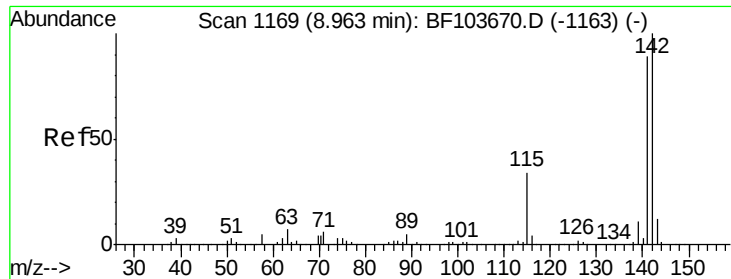


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





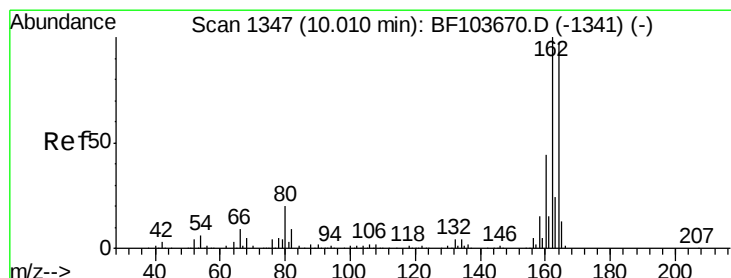
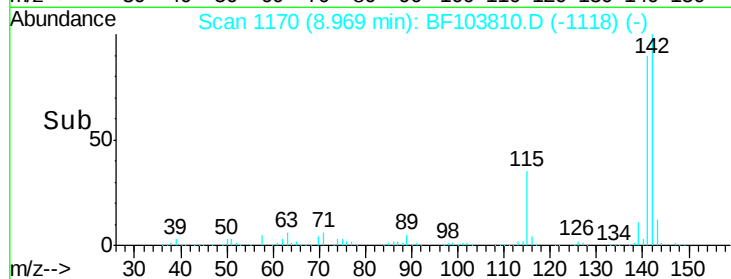
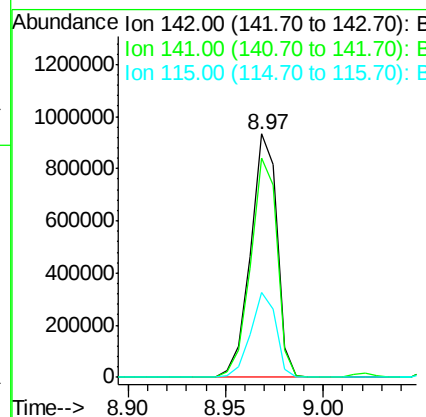
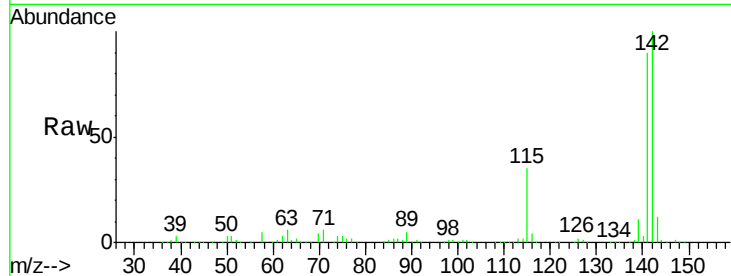
#37
2-Methylnaphthalene
Concen: 42.722 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	34.6	26.1	39.1

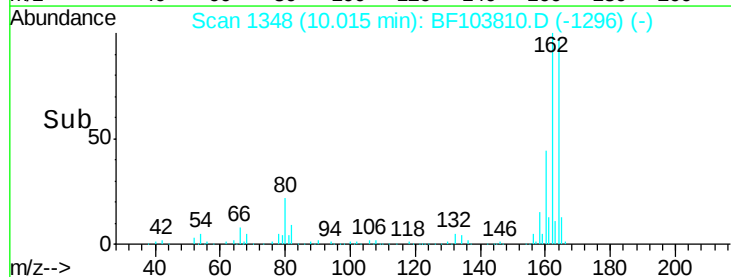
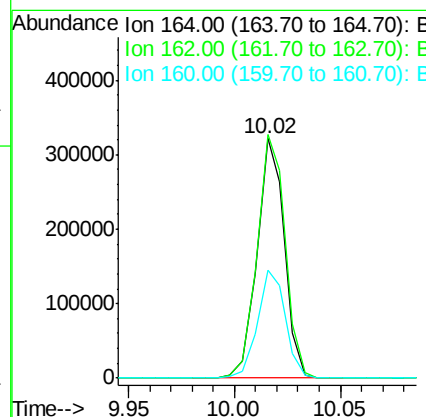
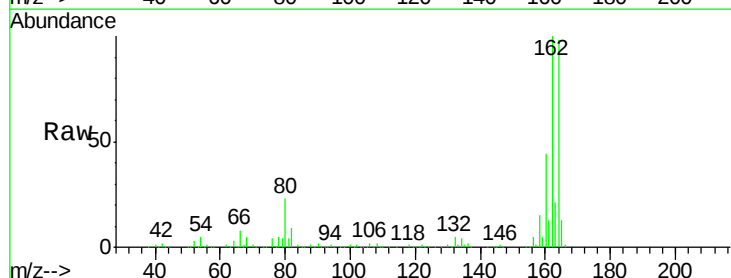
Manual Integrations
APPROVED

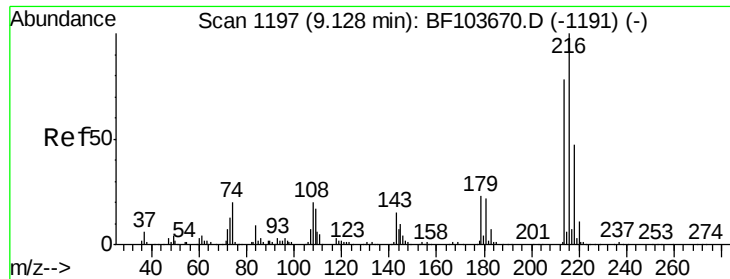
Sohil
3/22/2018 12:57:41 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	44.9	38.3	57.5





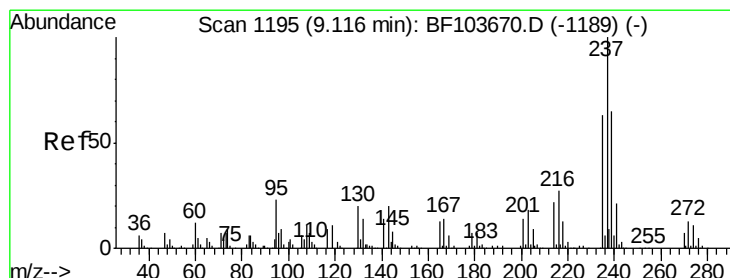
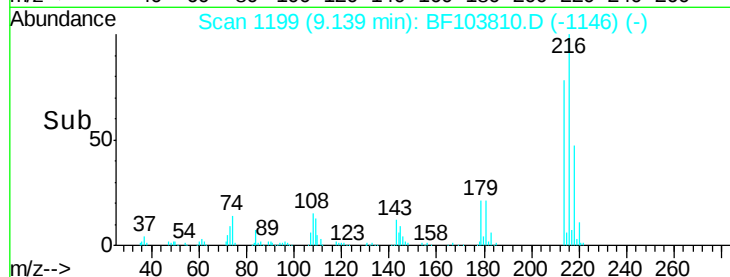
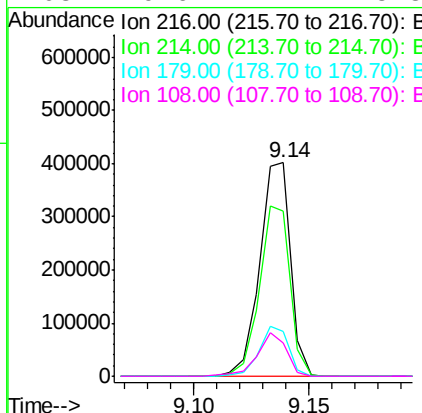
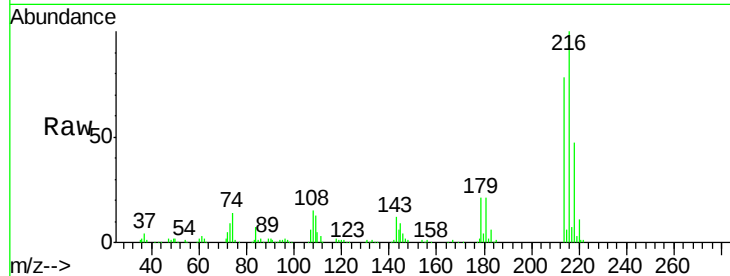
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.514 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		374278		
214	79.0	63.0	94.4		
179	22.2	18.1	27.1		
108	19.6	17.2	25.8		

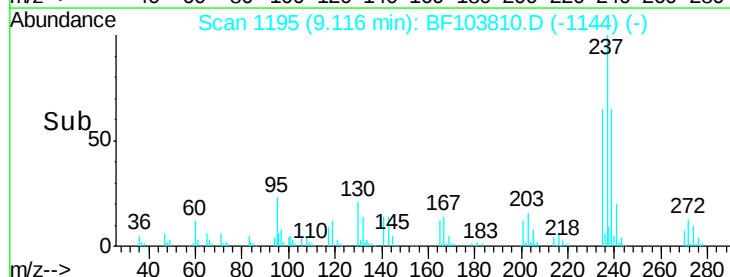
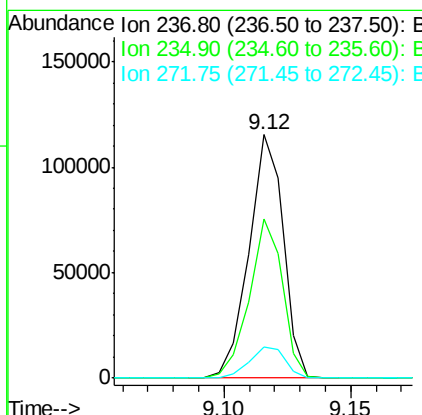
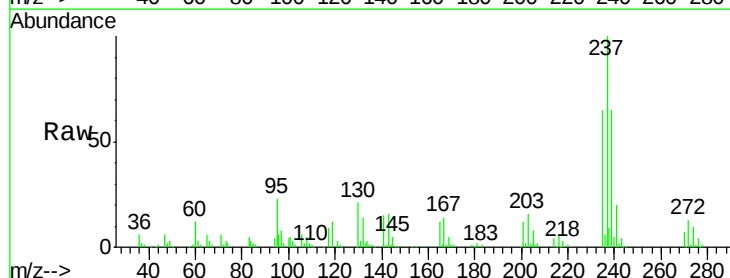
Manual Integrations
 APPROVED

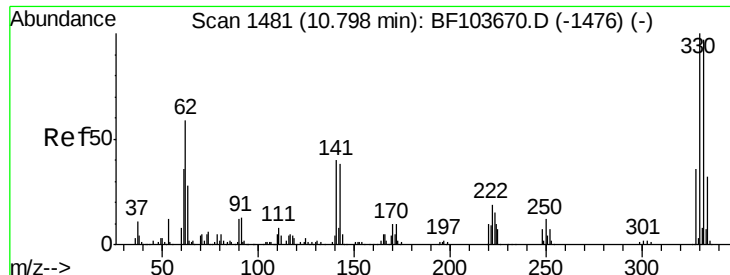
Sohil
 3/22/2018 12:57:41 PM



#40
 Hexachlorocyclopentadiene
 Concen: 25.721 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		109142		
235	65.3	44.8	84.8		
272	13.0	0.0	33.3		





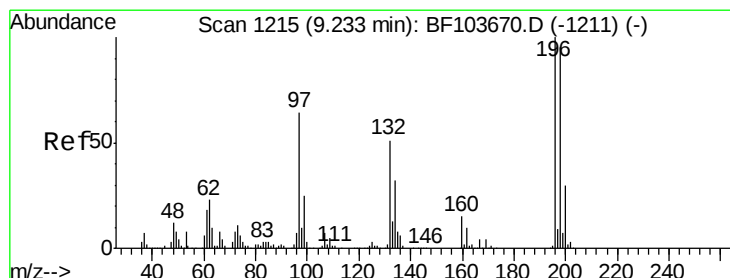
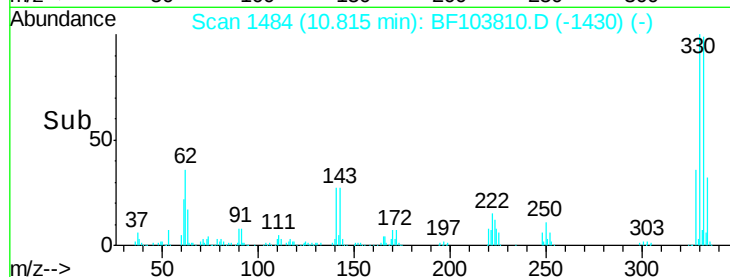
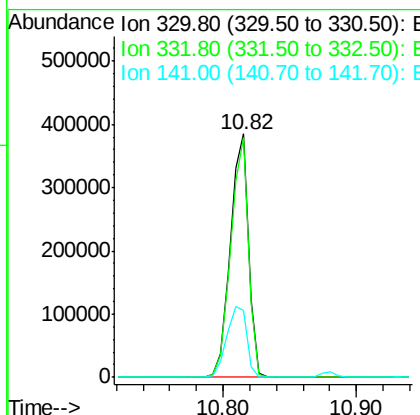
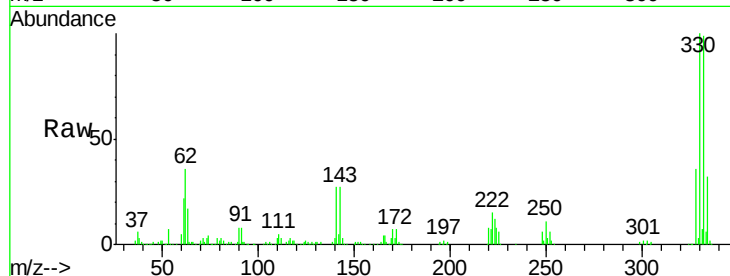
#41
 2,4,6-Tribromophenol
 Concen: 150.128 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.02 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	372069		
332	96.0	77.0	115.6	
141	32.1	29.9	44.9	

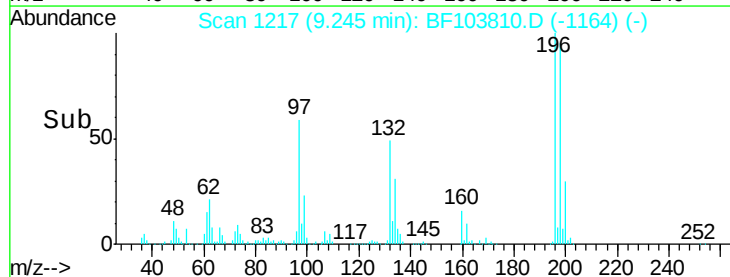
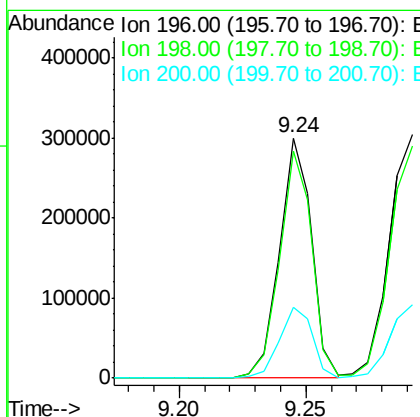
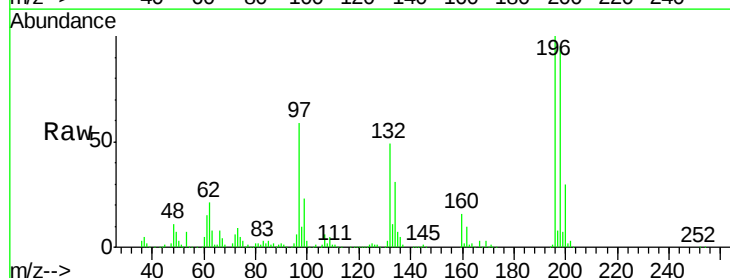
Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:41 PM



#42
 2,4,6-Trichlorophenol
 Concen: 50.620 ng
 RT: 9.24 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	266254		
198	94.5	75.7	113.5	
200	29.8	24.5	36.7	





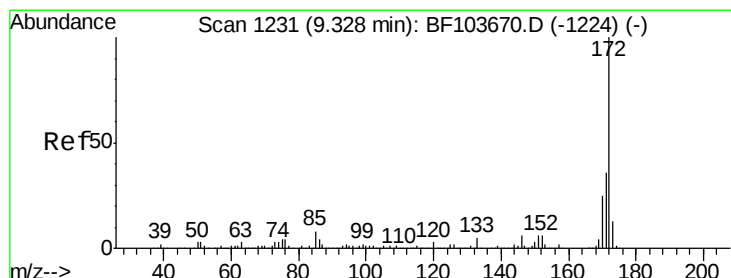
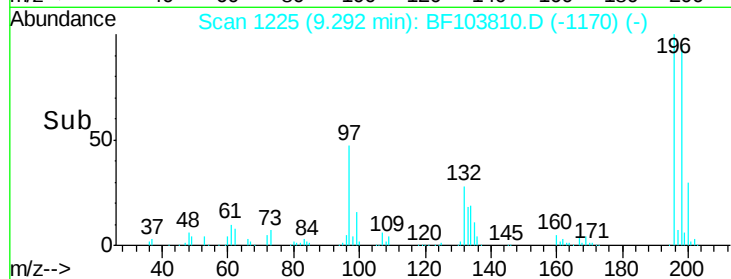
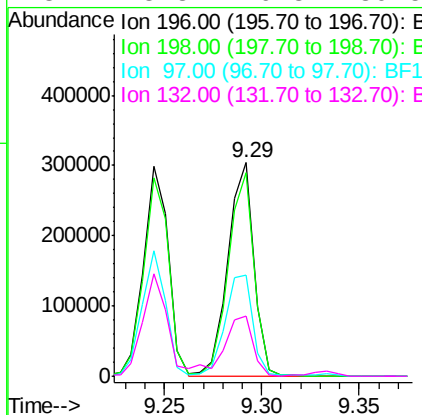
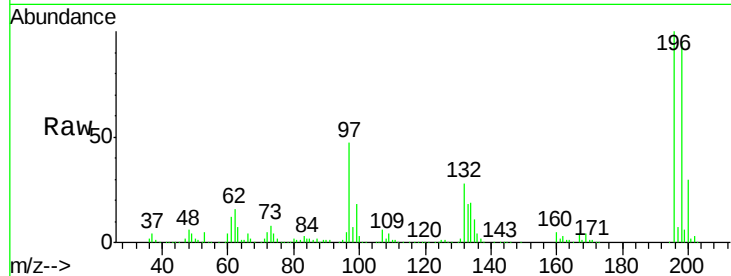
#43
 2,4,5-Trichlorophenol
 Concen: 47.261 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.02 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	280577		
198	95.4	74.6	112.0	
97	47.5	42.9	64.3	
132	28.3	26.3	39.5	

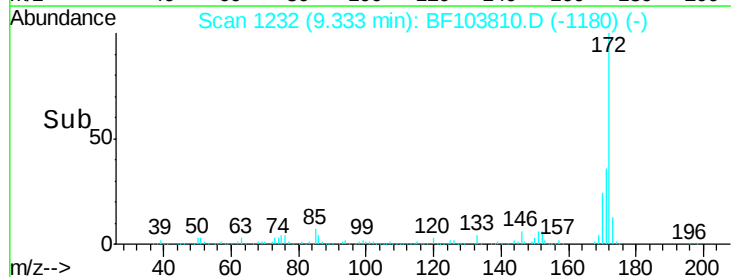
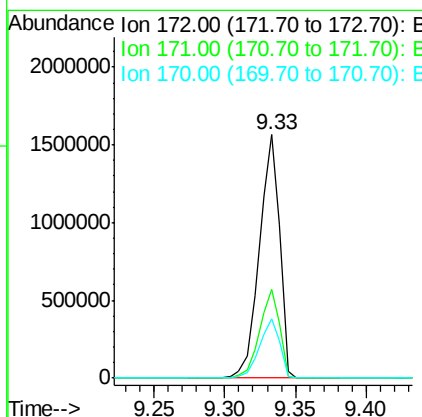
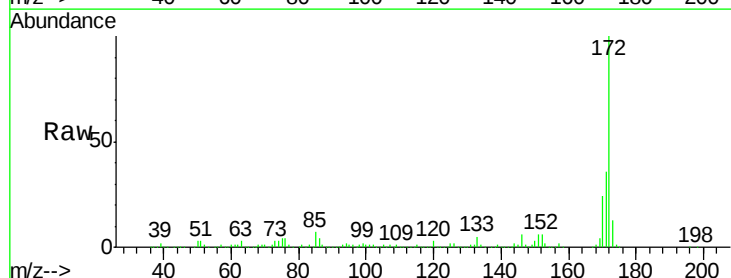
Manual Integrations
 APPROVED

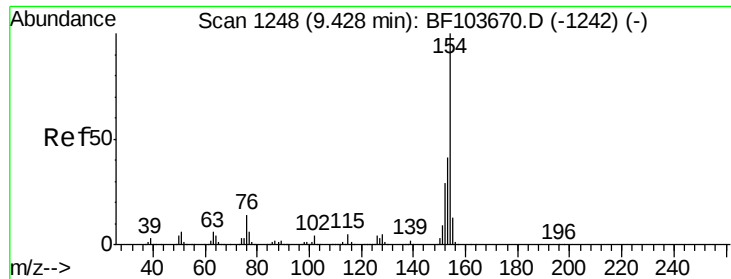
Sohil
 3/22/2018 12:57:41 PM



#44
 2-Fluorobiphenyl
 Concen: 87.839 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1587261		
171	36.4	29.7	44.5	
170	24.4	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 40.426 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

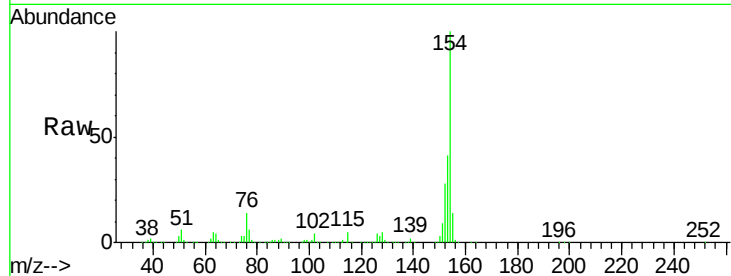
ClientSampled :

FS-SOILMS

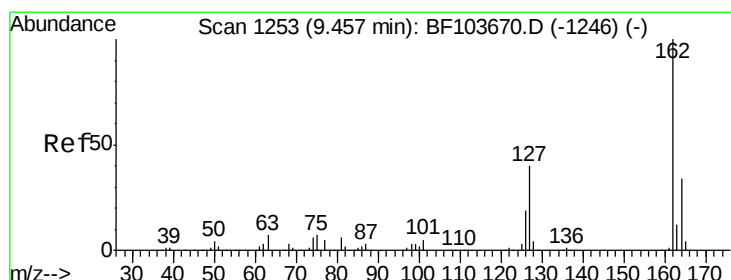
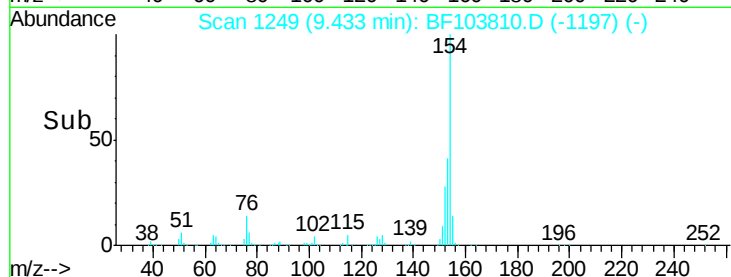
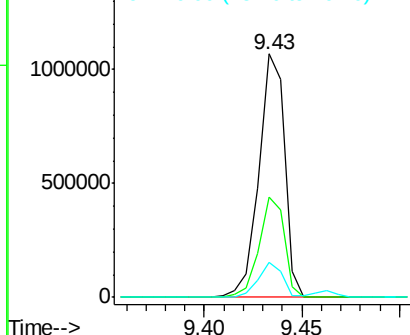
Tot Ion:	154	Resp:	971667
Ion Ratio	Lower	Upper	
154	100		
153	41.2	21.3	61.3
76	14.4	0.0	34.0

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 40.656 ng

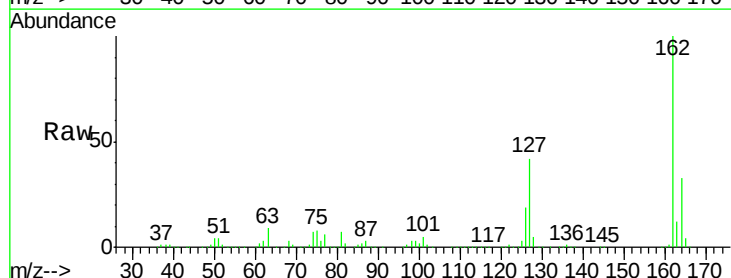
RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

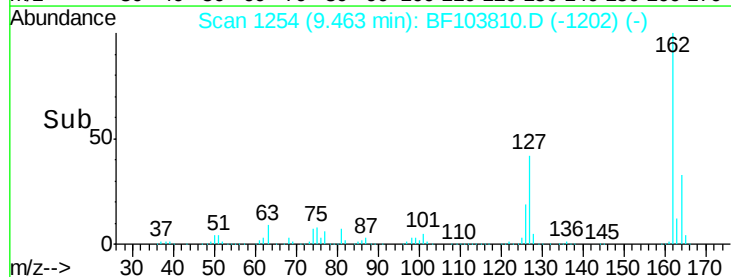
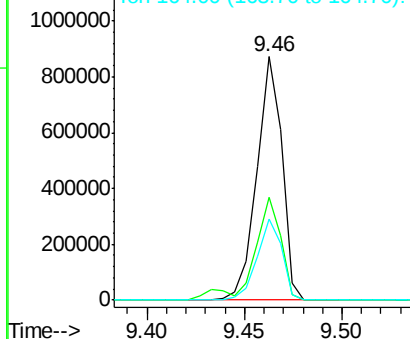
Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	162	Resp:	776145
Ion Ratio	Lower	Upper	
162	100		
127	42.4	33.9	50.9
164	33.2	26.5	39.7



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





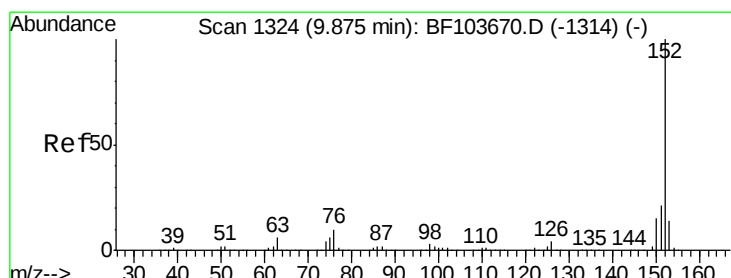
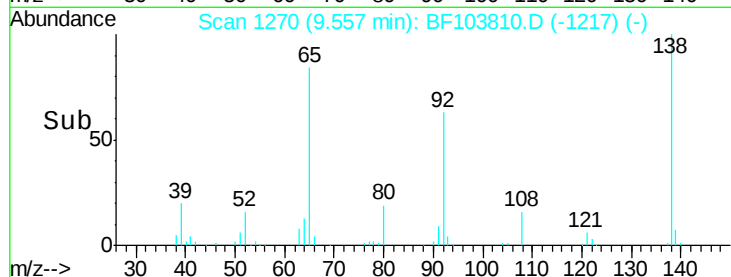
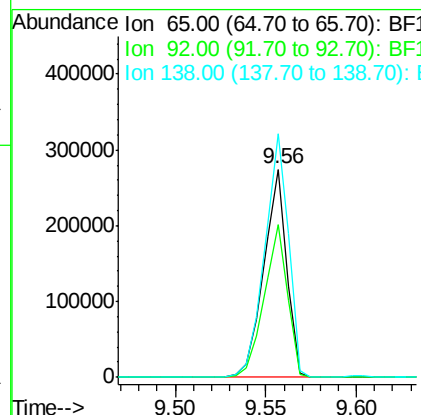
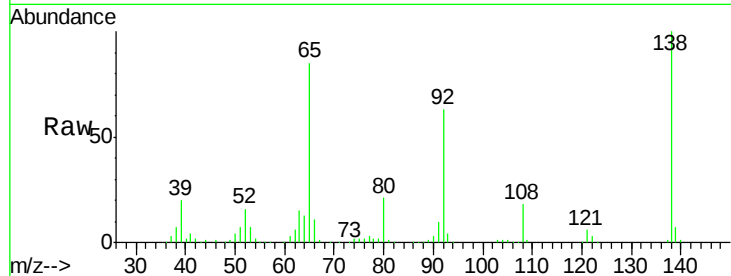
#47
 2-Nitroaniline
 Concen: 48.474 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.4	55.8	83.6
138	117.1	91.2	136.8

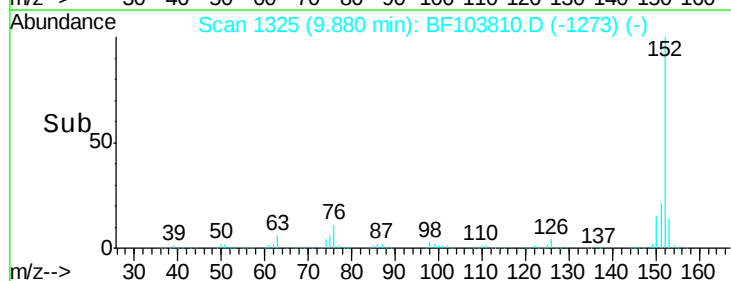
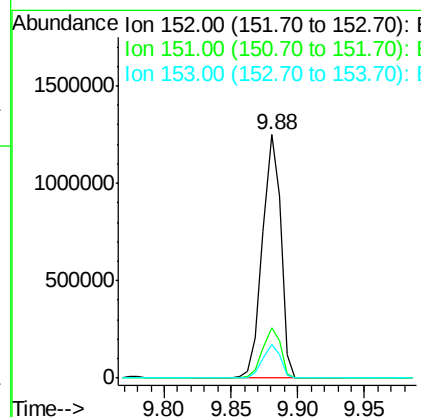
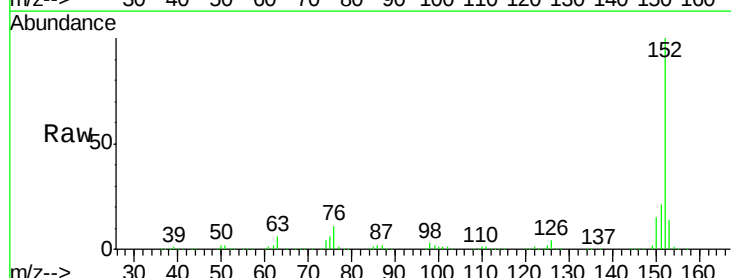
Manual Integrations
 APPROVED

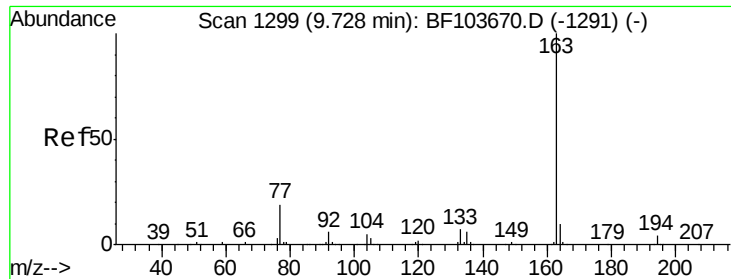
Sohil
 3/22/2018 12:57:41 PM



#48
 Acenaphthylene
 Concen: 39.643 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.7	10.7	16.1





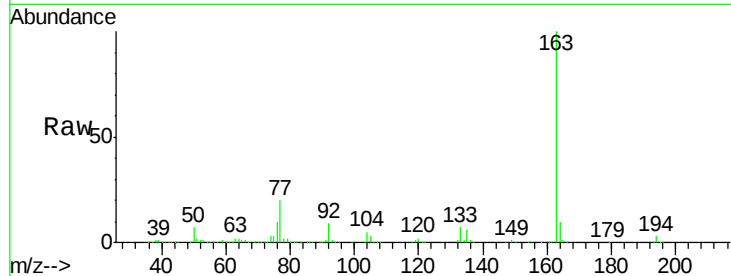
#49
Dimethylphthalate
Concen: 47.936 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
FS-SOILMS

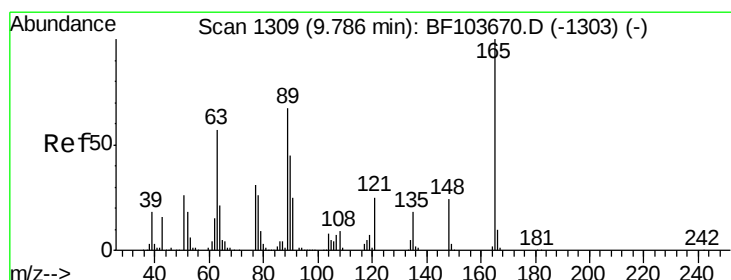
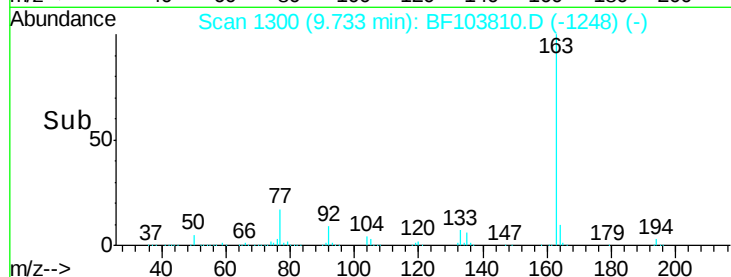
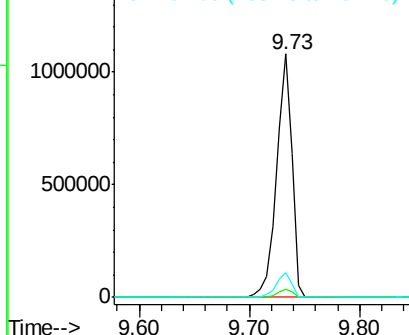
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM

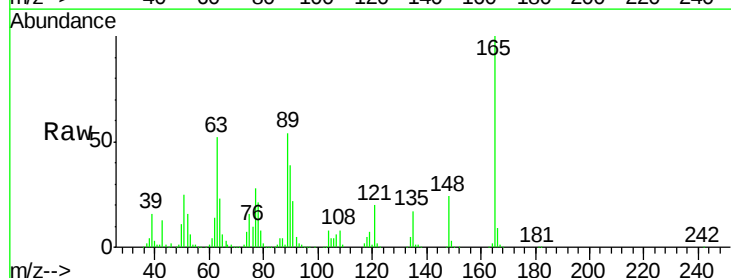


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

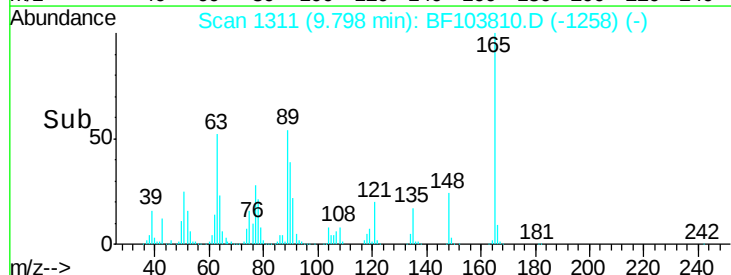
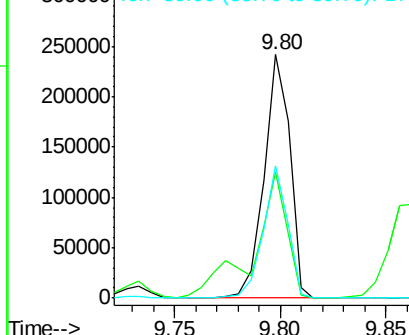


#50
2,6-Dinitrotoluene
Concen: 48.196 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.9	44.7	67.1
89	54.5	44.0	66.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 39.290 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion:154 Resp: 690613

Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

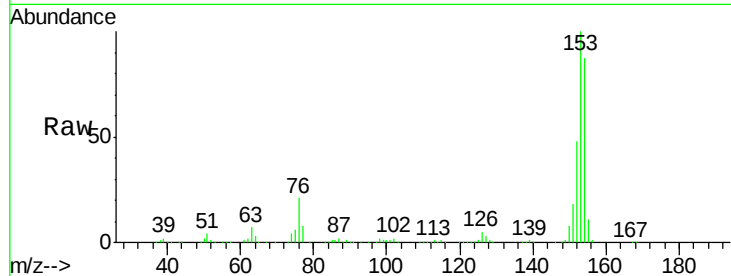
152 55.1 43.8 65.8

Manual Integrations

APPROVED

Sohil

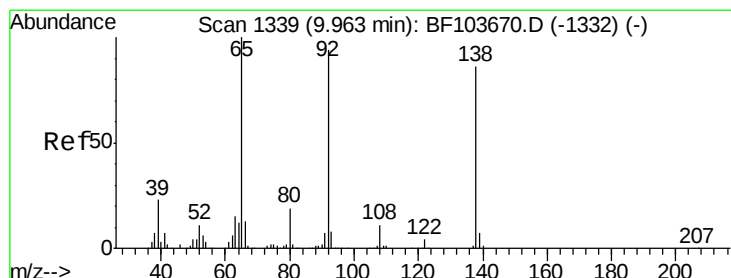
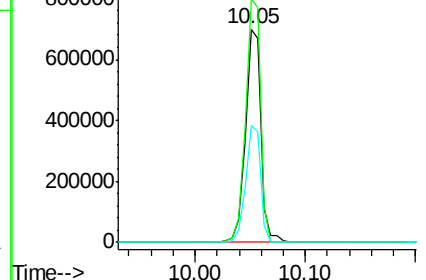
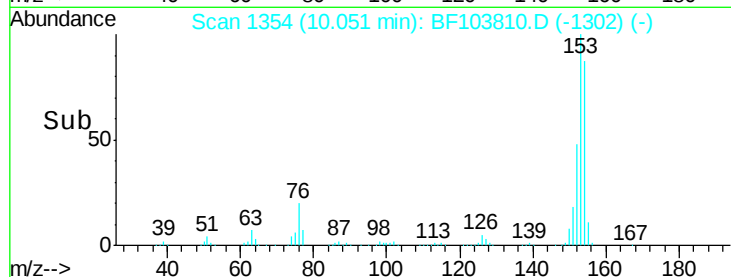
3/22/2018 12:57:41 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 32.188 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

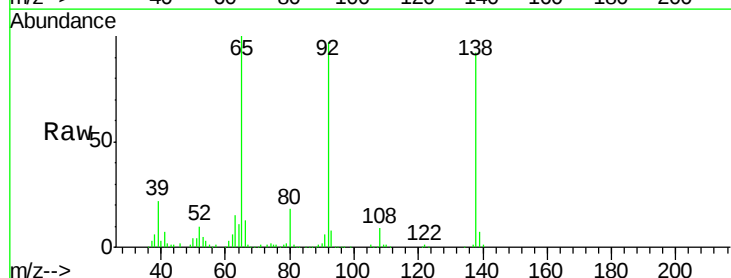
Tgt Ion:138 Resp: 157156

Ion Ratio Lower Upper

138 100

108 9.4 9.4 14.0

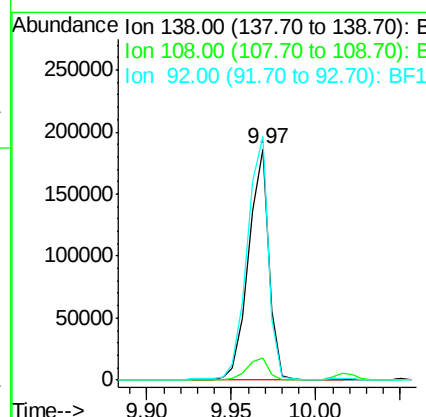
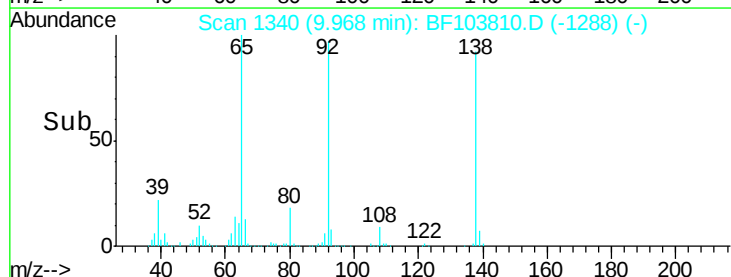
92 105.4 89.4 134.2

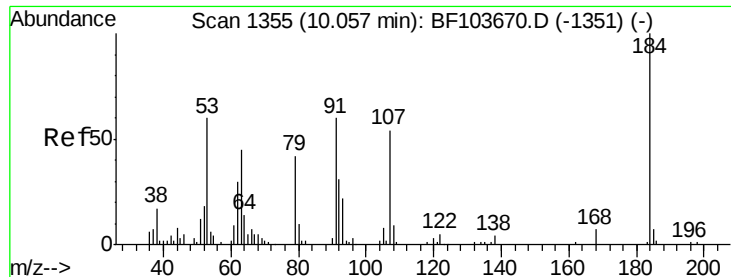


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





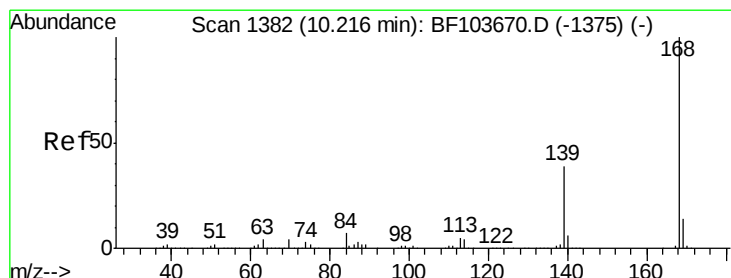
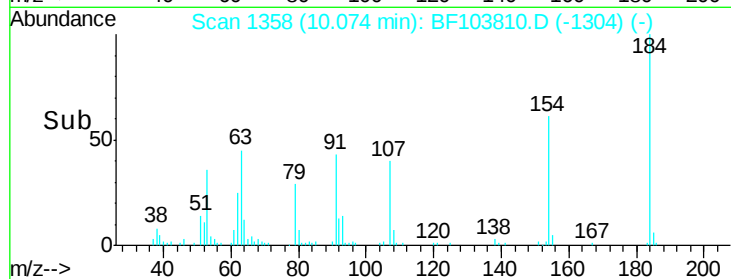
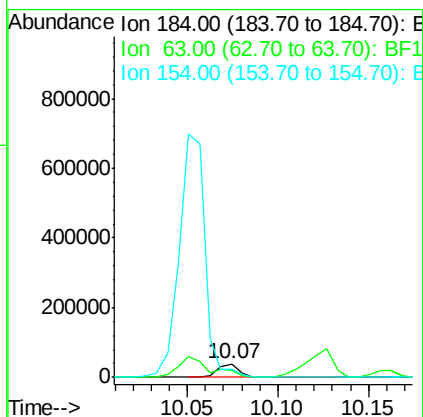
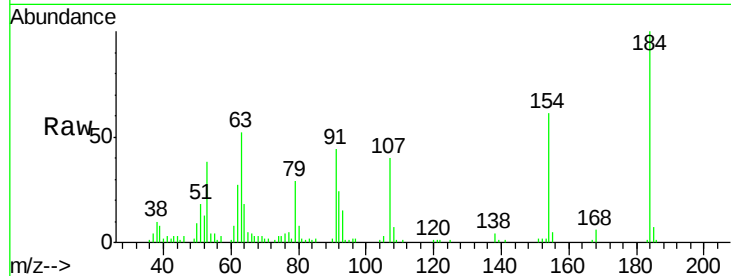
#53
2,4-Dinitrophenol
Concen: 41.465 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.02 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
184	100		
63	51.7	54.2	81.2#
154	60.8	184.0	276.0#

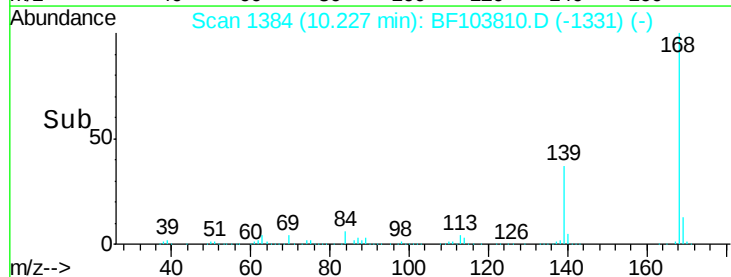
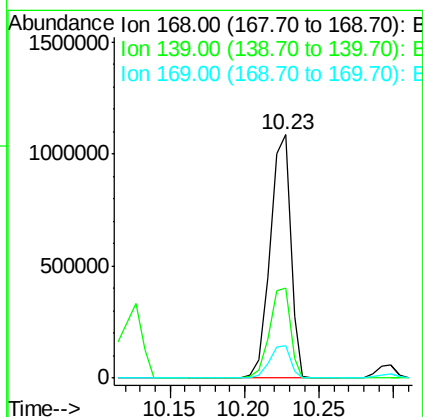
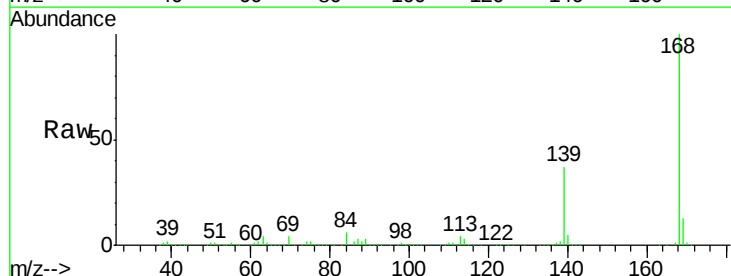
Manual Integrations
APPROVED

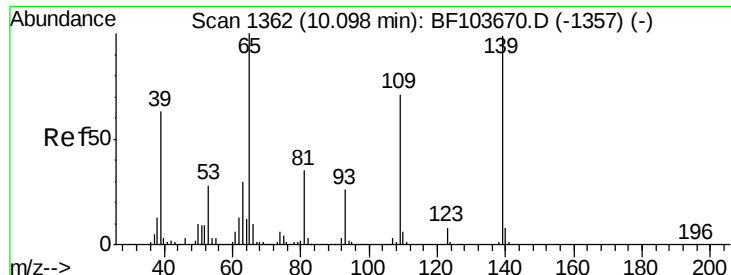
Sohil
3/22/2018 12:57:41 PM



#54
Dibenzofuran
Concen: 41.127 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.1	45.1
169	13.3	10.9	16.3





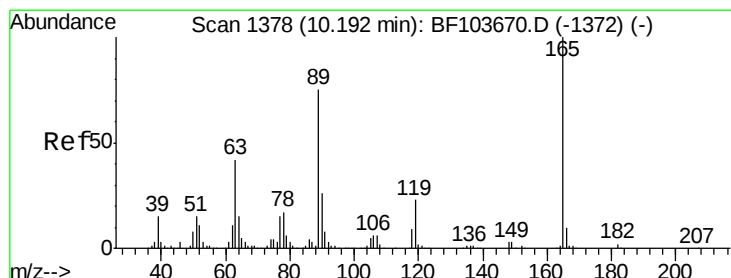
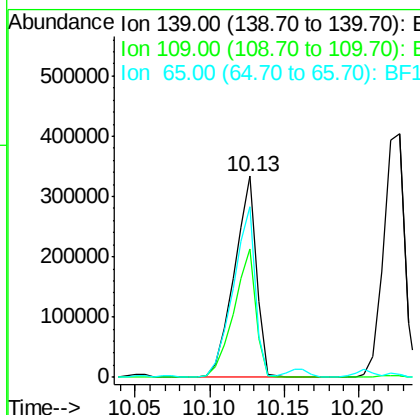
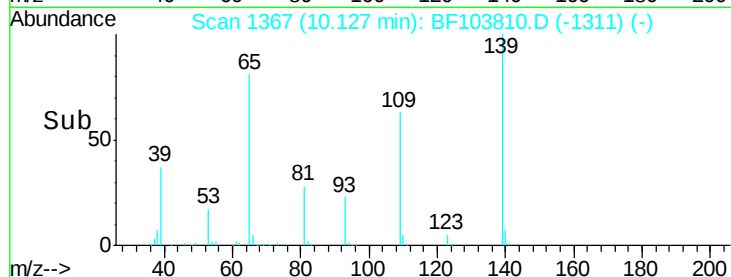
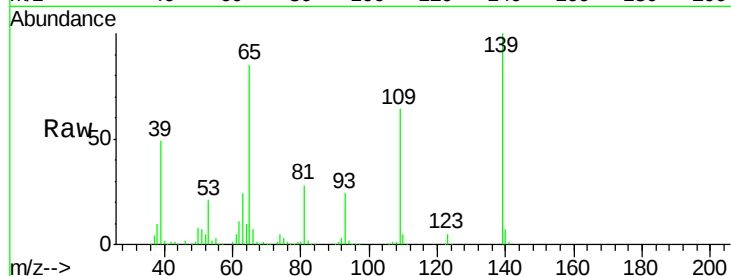
#55
4-Nitrophenol
Concen: 86.301 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.03 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
FS-SOILMS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	349153		
109	63.7	48.4	88.4	
65	85.0	72.6	112.6	

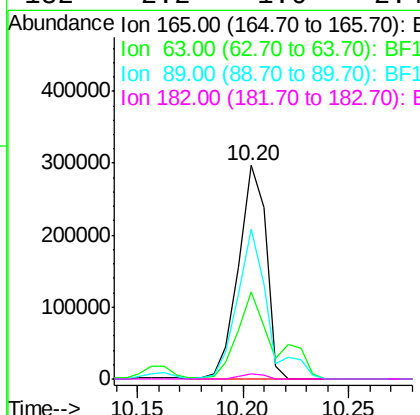
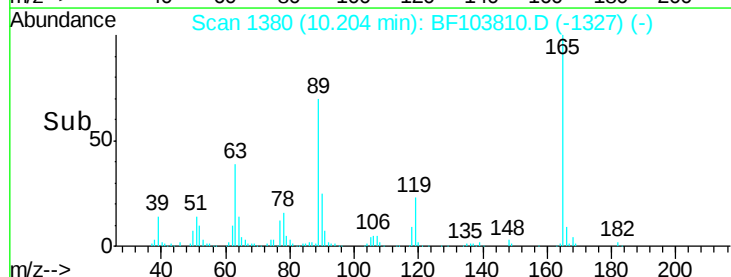
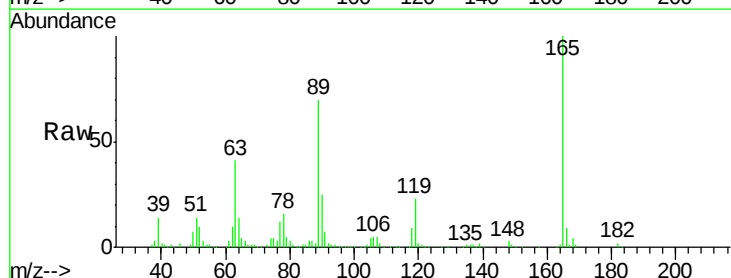
Manual Integrations
APPROVED

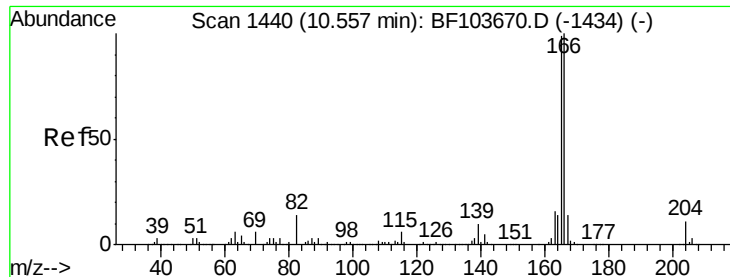
Sohil
3/22/2018 12:57:41 PM



#56
2,4-Dinitrotoluene
Concen: 49.733 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	269428		
63	40.5	36.4	54.6	
89	70.1	57.8	86.6	
182	2.2	1.6	2.4	





#57

Fluorene

Concen: 39.856 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

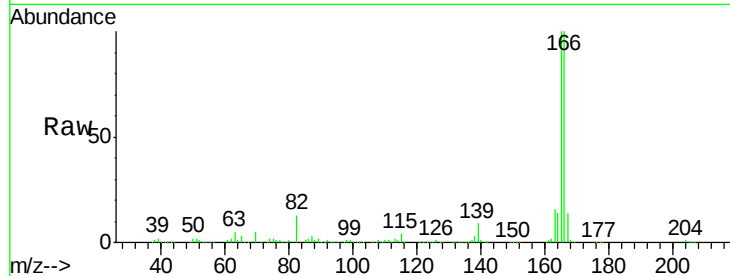
ClientSampleId :

FS-SOILMS

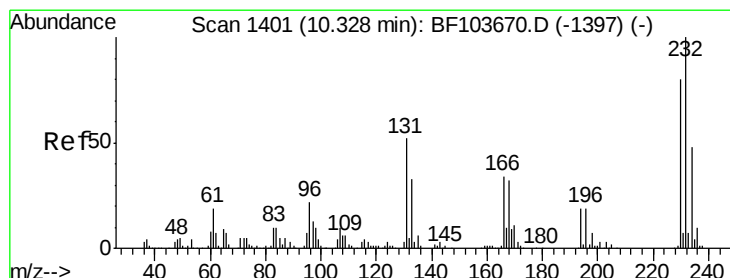
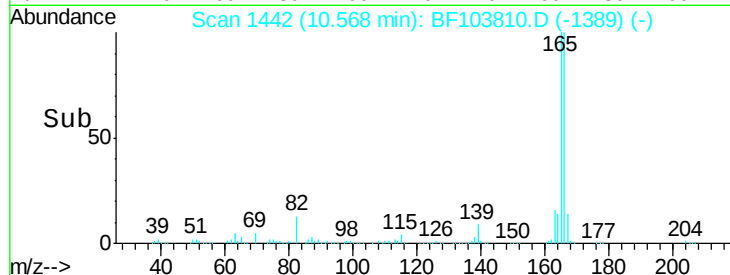
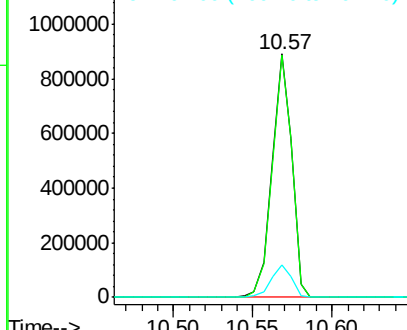
Tot Ion:	166	Resp:	776419
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	13.6	10.6	16.0

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.815 ng

RT: 10.34 min Scan# 1403

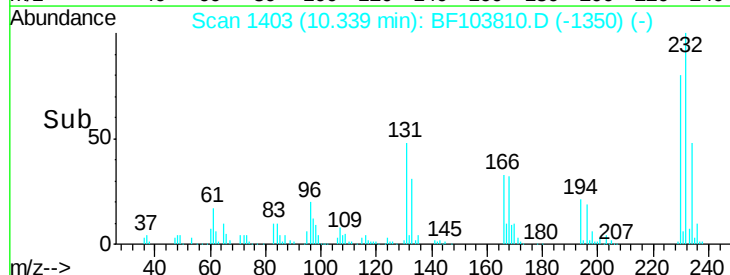
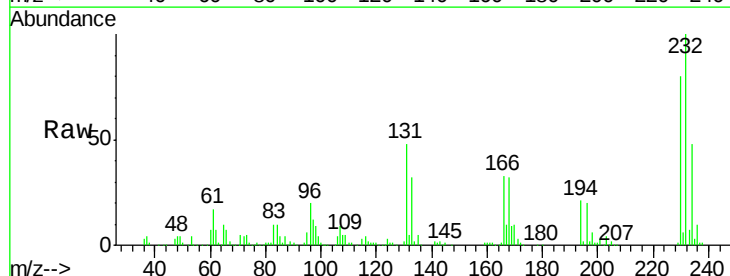
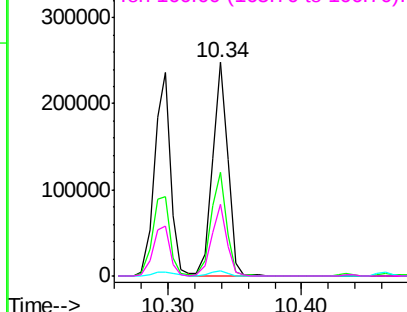
Delta R.T. 0.01 min

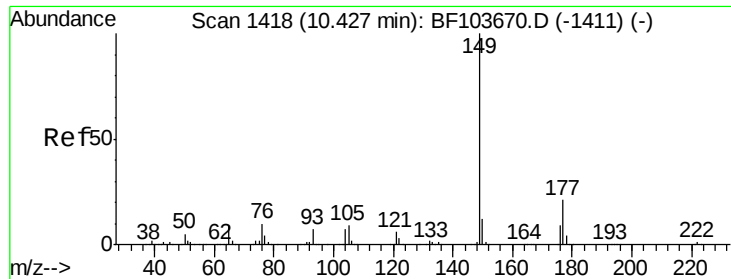
Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	232	Resp:	201140
Ion Ratio	Lower	Upper	
232	100		
131	48.9	43.8	65.8
130	2.4	2.1	3.1
166	32.6	27.8	41.6

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





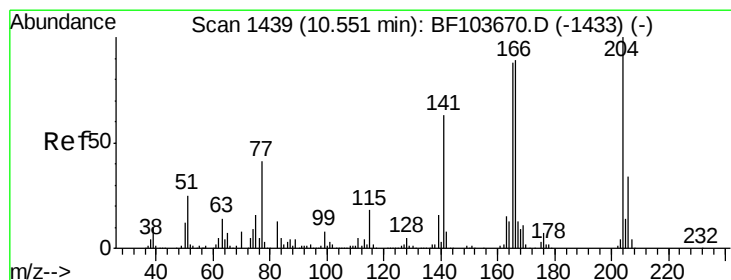
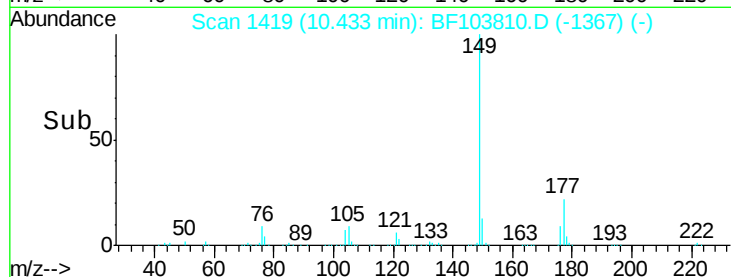
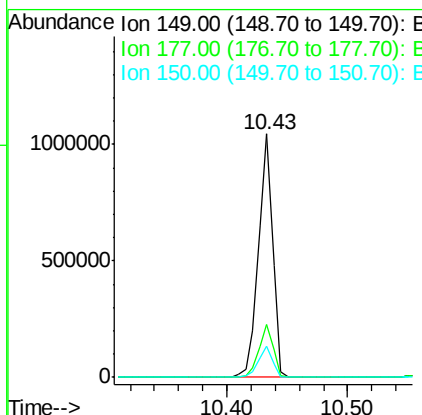
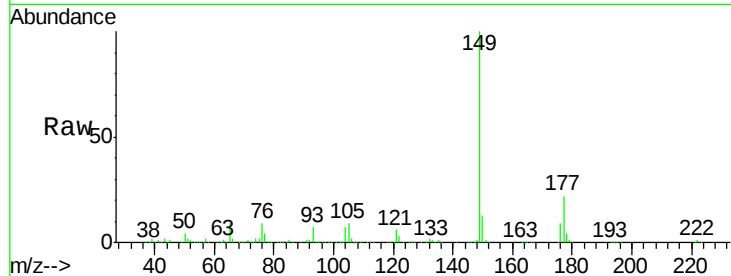
#59
Diethylphthalate
Concen: 39.678 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.1	24.1
150	12.5	10.1	15.1

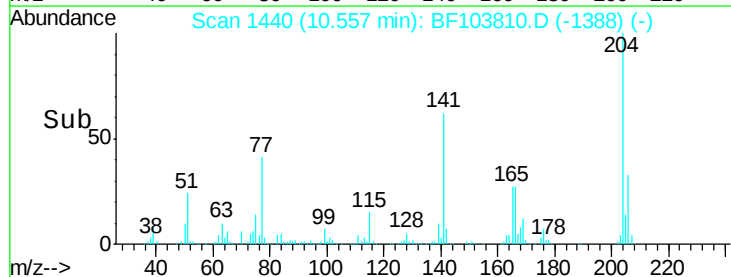
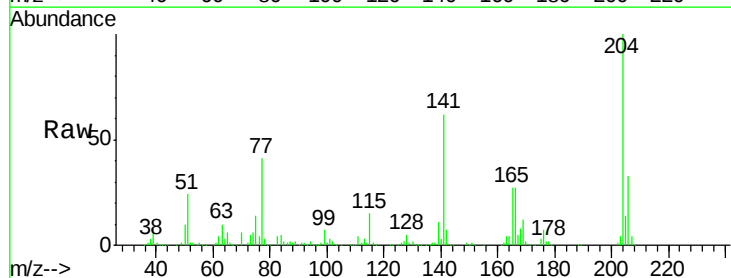
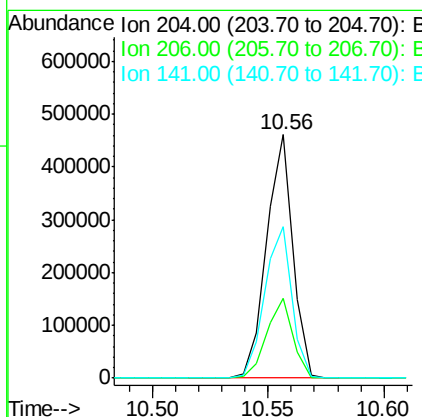
Manual Integrations
APPROVED

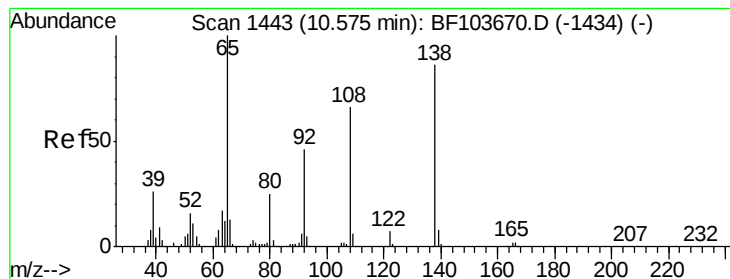
Sohil
3/22/2018 12:57:41 PM



#60
4-Chlorophenyl-phenylether
Concen: 41.116 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	62.0	54.6	81.8





#61

4-Nitroaniline

Concen: 41.285 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

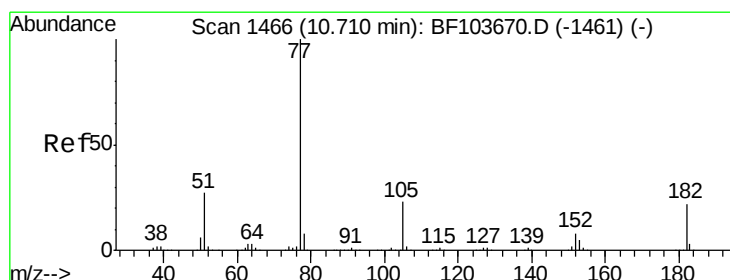
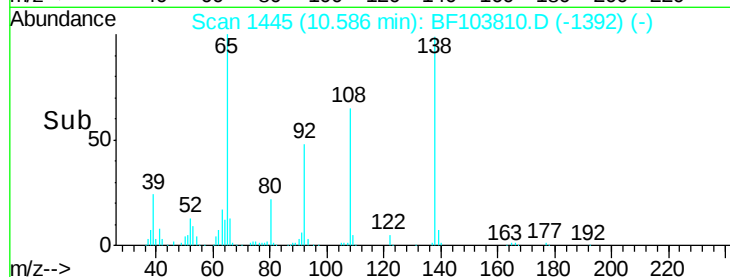
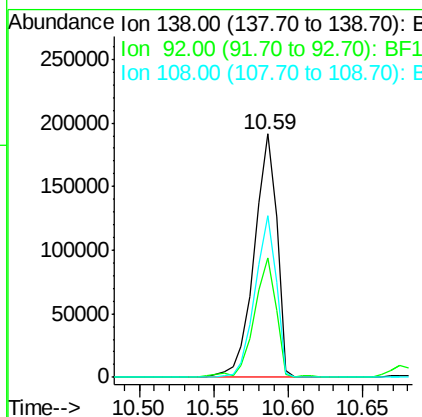
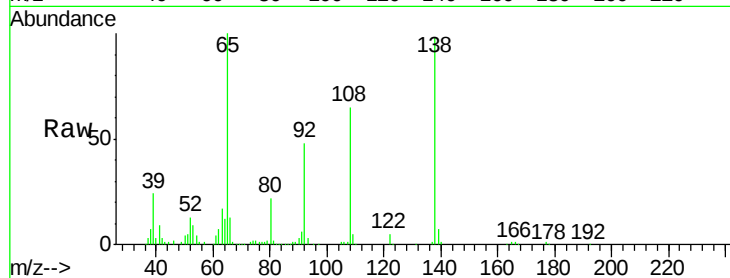
ClientSampled :

FS-SOILMS

Tot Ion:	138	Resp:	199796
Ion Ratio	Lower	Upper	
138	100		
92	49.2	30.2	70.2
108	66.4	52.5	92.5

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#62

Azobenzene

Concen: 37.461 ng

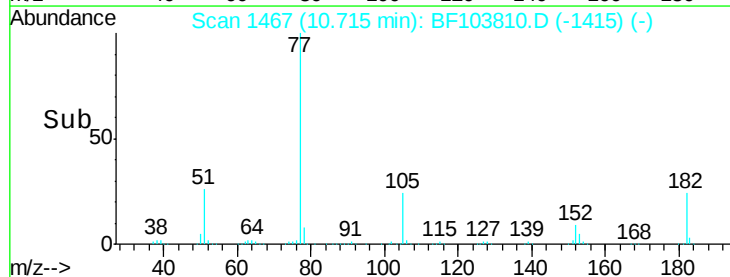
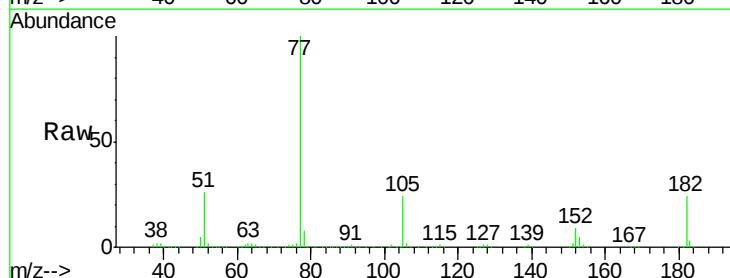
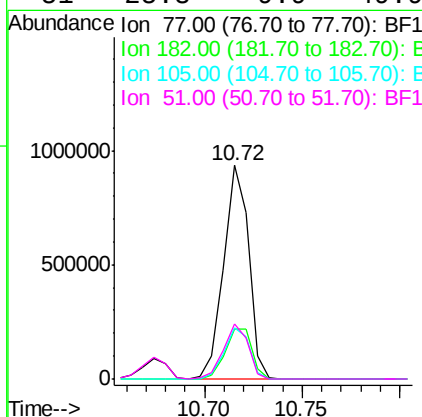
RT: 10.72 min Scan# 1467

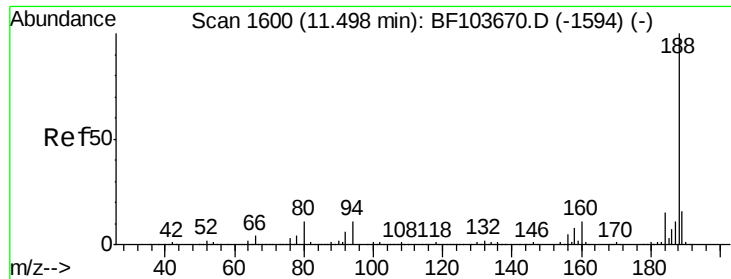
Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	77	Resp:	831299
Ion Ratio	Lower	Upper	
77	100		
182	23.7	1.7	41.7
105	23.8	3.0	43.0
51	25.8	9.9	49.9





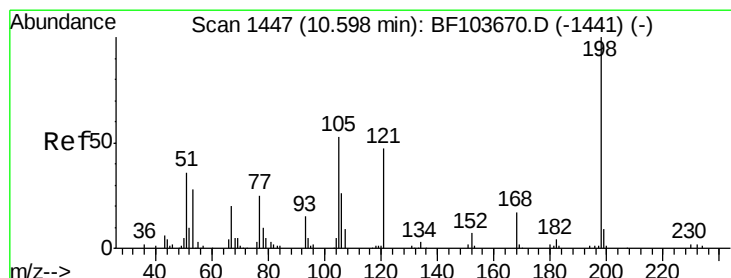
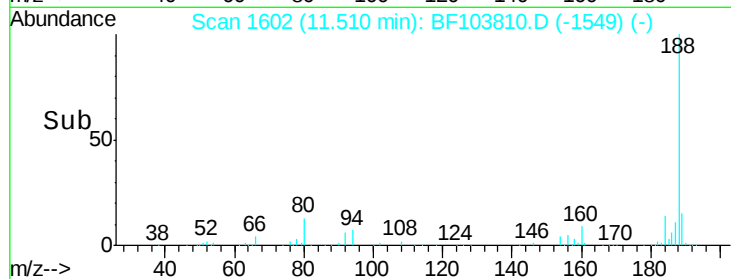
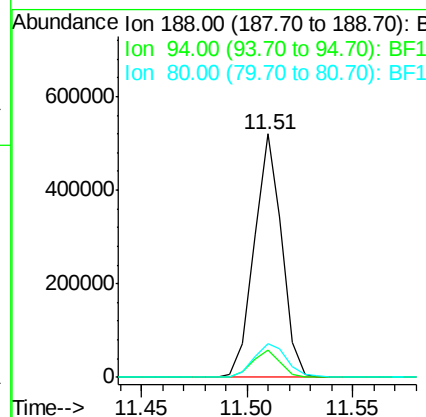
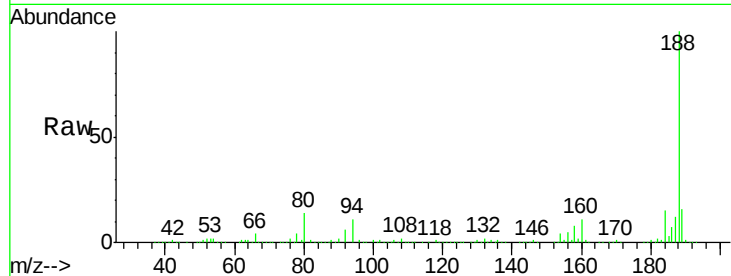
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampled :
 FS-SOILMS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	8.5	12.7
80	13.8	9.2	13.8#

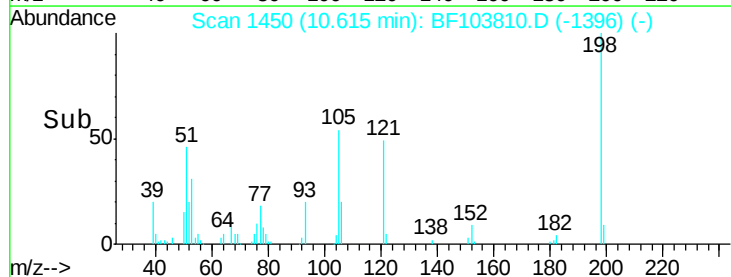
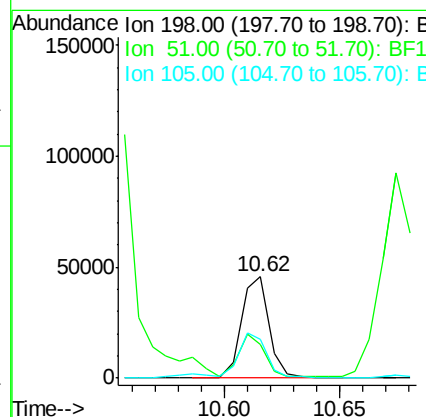
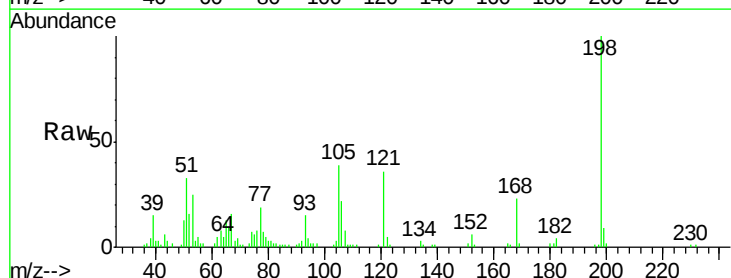
Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:41 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 29.021 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.02 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	32.9	37.7	77.7#
105	38.8	36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 45.203 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

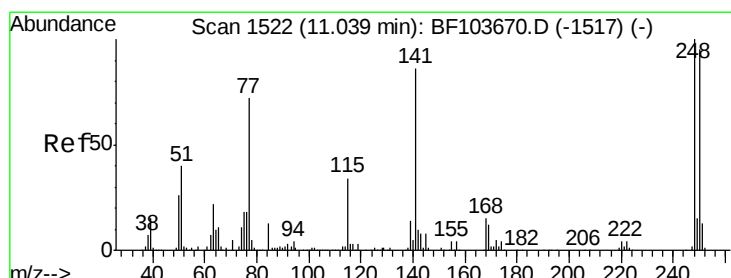
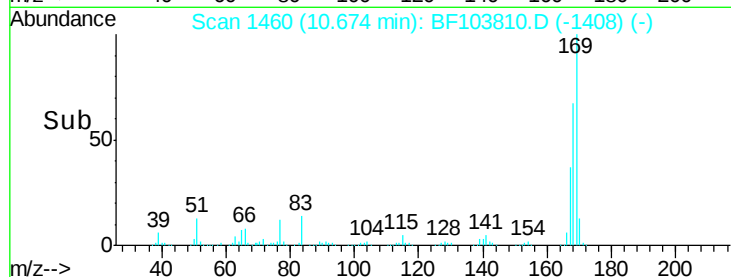
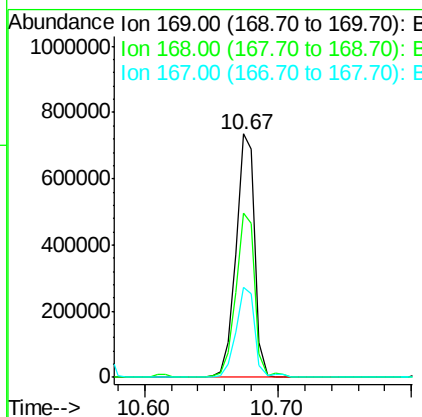
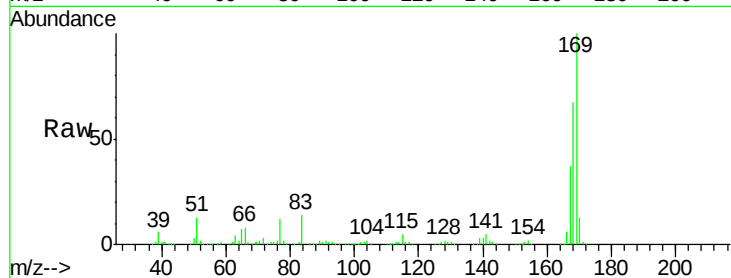
ClientSampled :

FS-SOILMS

Tot Ion:	169	Resp:	721458
Ion Ratio	Lower	Upper	
169	100		
168	67.2	54.4	81.6
167	37.1	29.8	44.6

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#66

4-Bromophenyl-phenylether

Concen: 48.455 ng

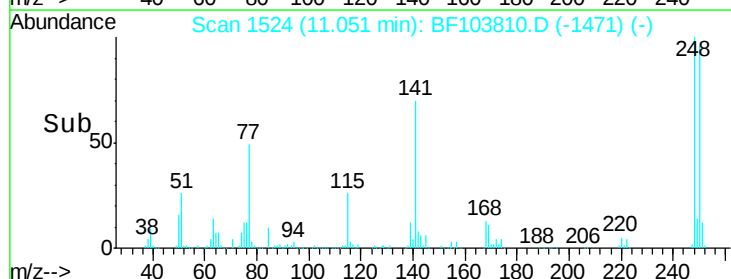
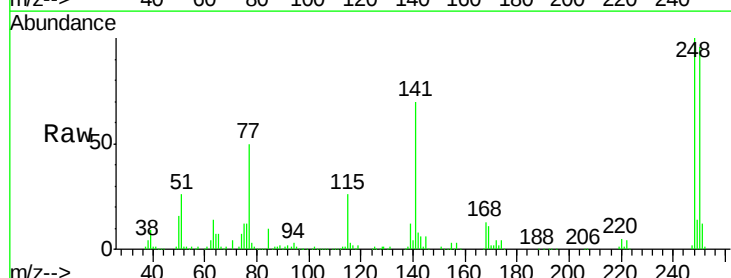
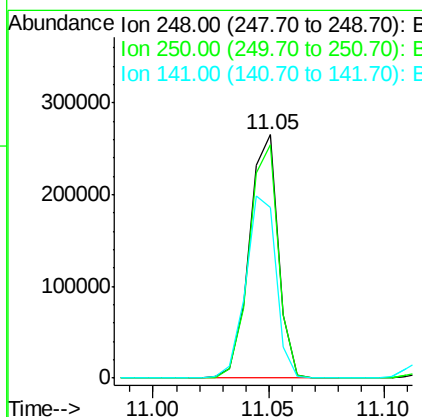
RT: 11.05 min Scan# 1524

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	248	Resp:	233280
Ion Ratio	Lower	Upper	
248	100		
250	95.7	76.9	115.3
141	70.2	74.4	111.6#





#67

Hexachlorobenzene

Concen: 44.472 ng

RT: 11.12 min Scan# 1535

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

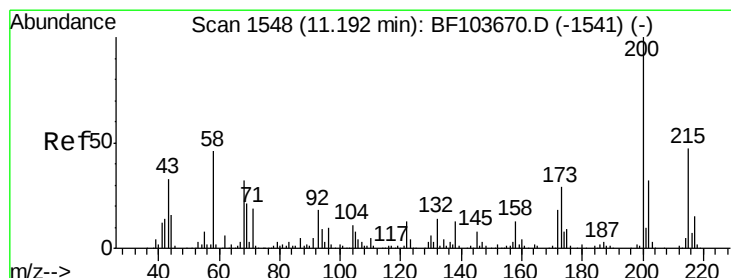
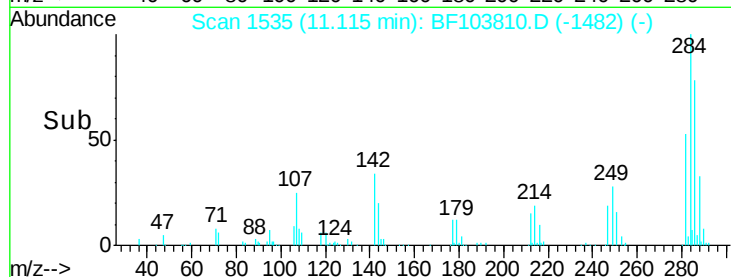
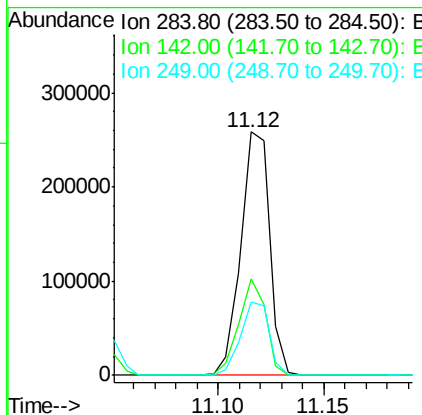
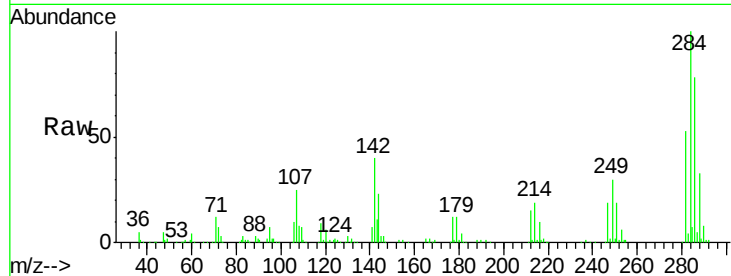
ClientSampleId :

FS-SOILMS

Tot Ion:	284	Resp:	244367
Ion Ratio	Lower	Upper	
284	100		
142	39.6	34.6	52.0
249	30.0	24.8	37.2

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



#68

Atrazine

Concen: 48.503 ng

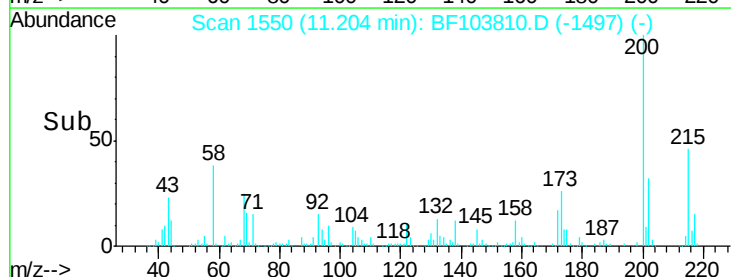
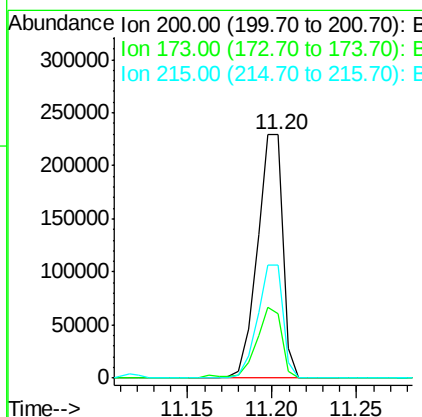
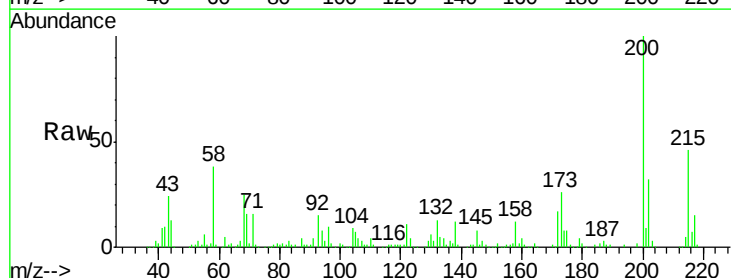
RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tgt Ion:	200	Resp:	239474
Ion Ratio	Lower	Upper	
200	100		
173	26.5	8.6	48.6
215	46.5	25.1	65.1





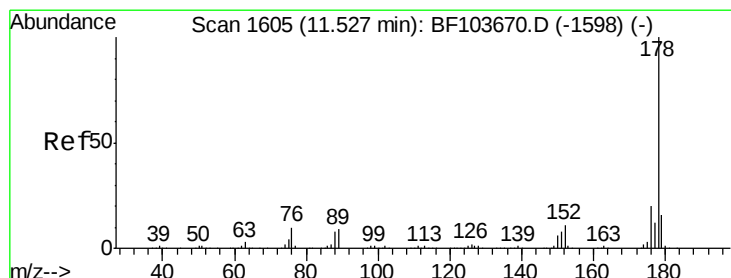
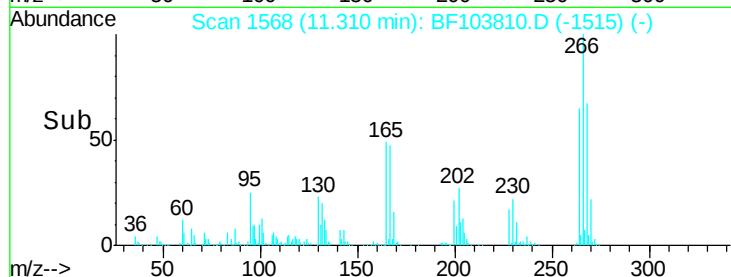
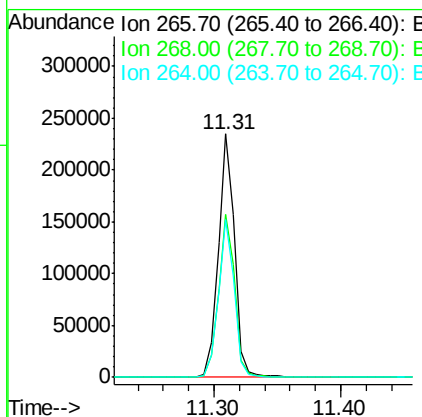
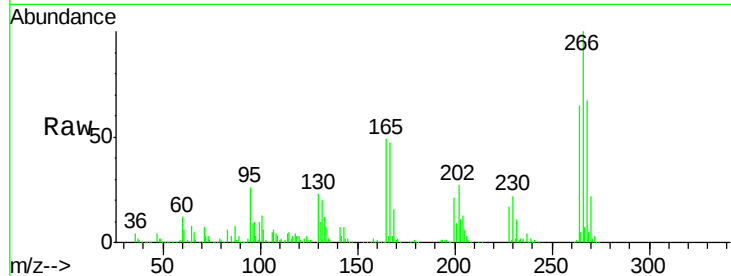
#69
 Pentachlorophenol
 Concen: 67.101 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.8	51.1	76.7
264	64.6	49.5	74.3

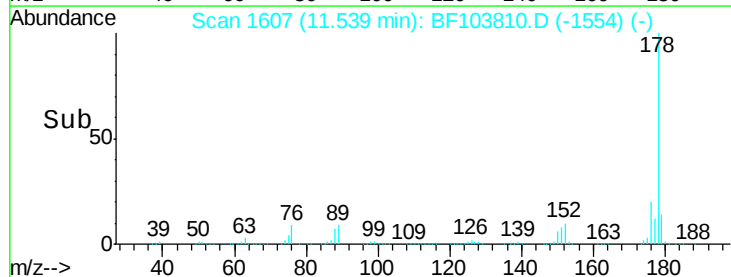
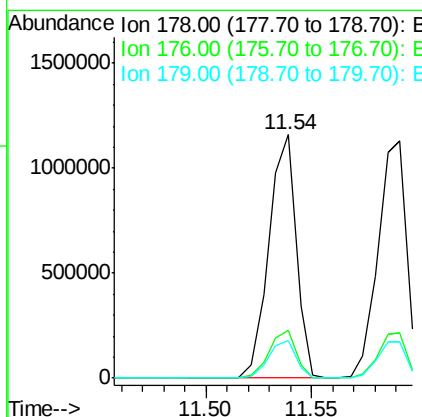
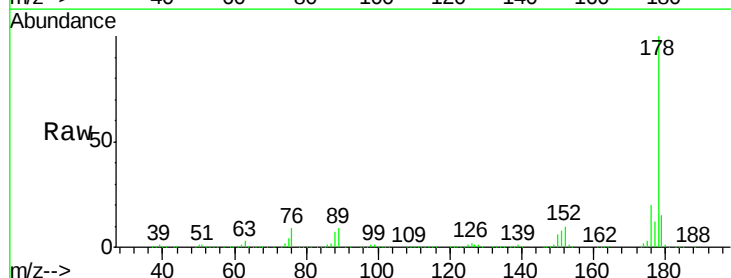
Manual Integrations
 APPROVED

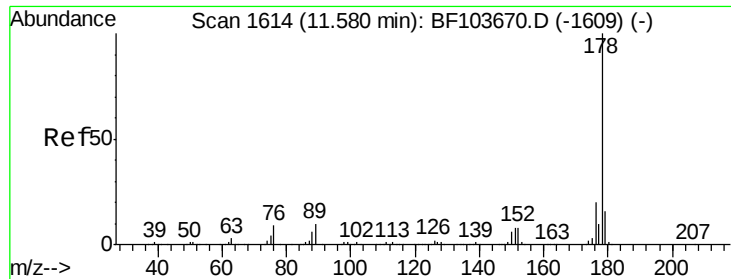
Sohil
 3/22/2018 12:57:41 PM



#70
 Phenanthrene
 Concen: 40.837 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6





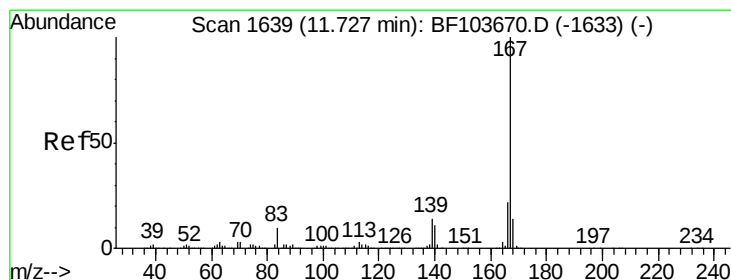
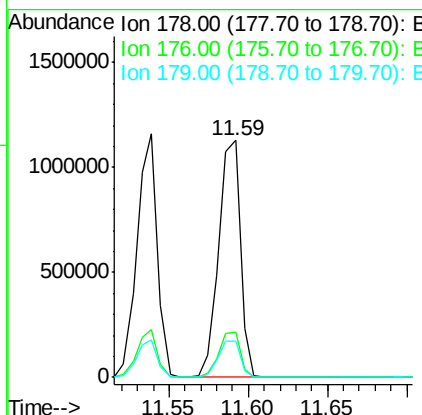
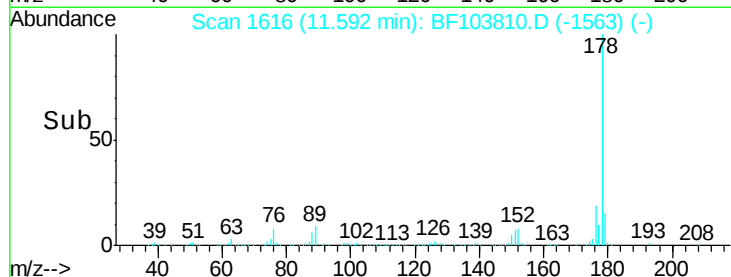
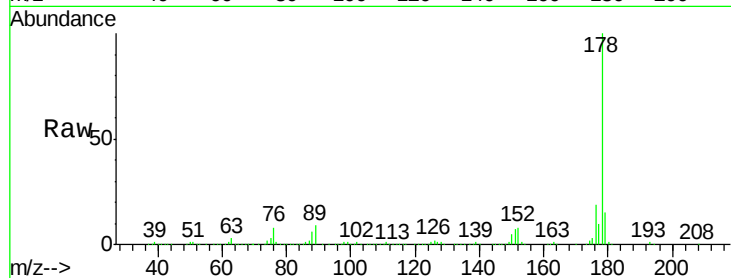
#71
 Anthracene
 Concen: 41.292 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion:178 Resp: 1075728
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.2 12.6 19.0

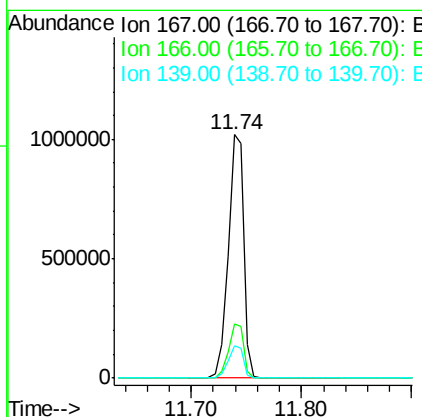
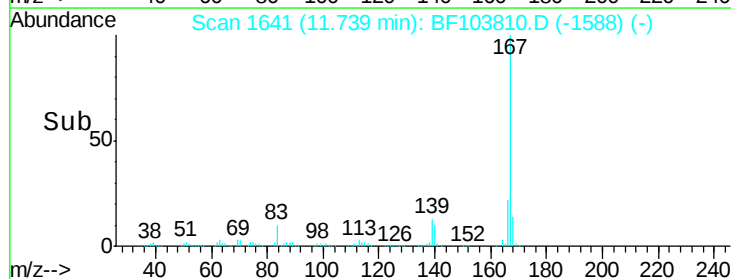
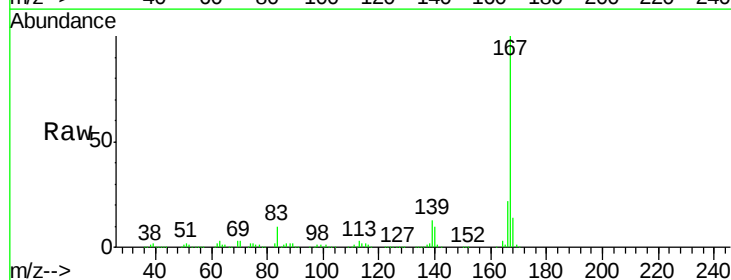
Manual Integrations
 APPROVED

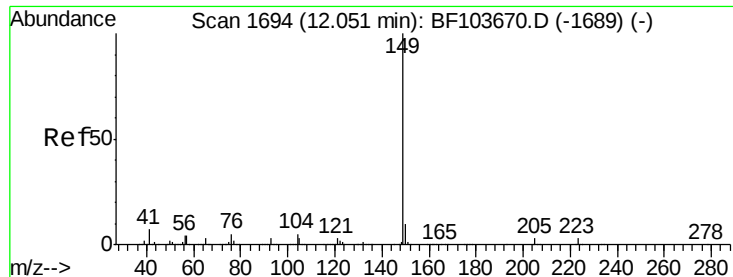
Sohil
 3/22/2018 12:57:41 PM



#72
 Carbazole
 Concen: 39.554 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion:167 Resp: 1001542
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 13.3 10.9 16.3





#73

Di-n-butylphthalate

Concen: 42.805 ng

RT: 12.06 min Scan# 1695

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Tot Ion:149 Resp: 1300518

Ion Ratio Lower Upper

149 100

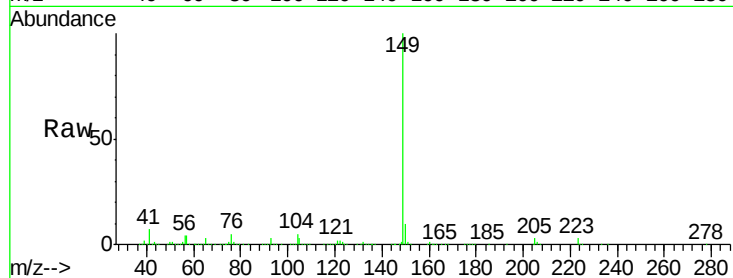
150 9.7 7.8 11.6

104 4.8 3.8 5.8

Manual Integrations
APPROVED

Sohil

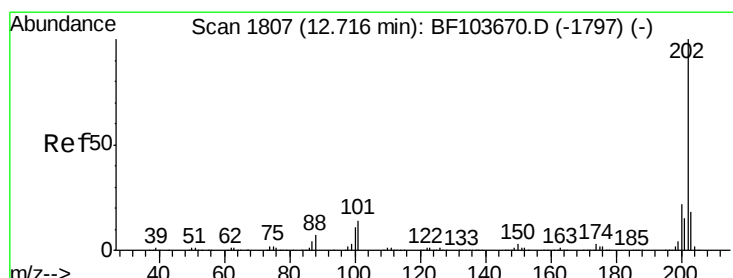
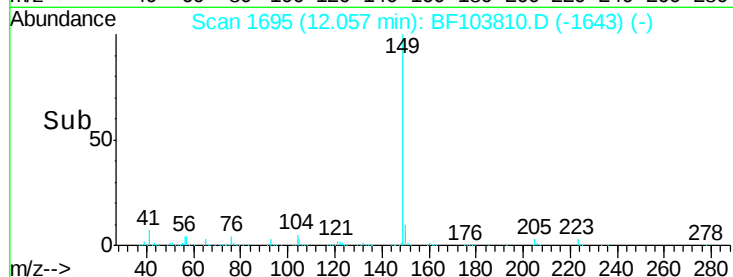
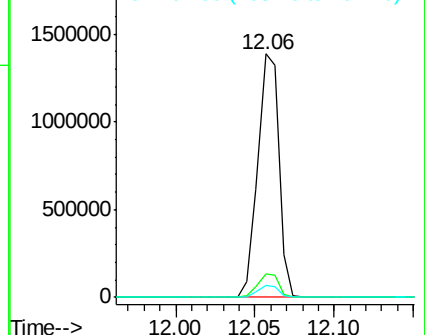
3/22/2018 12:57:41 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.077 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

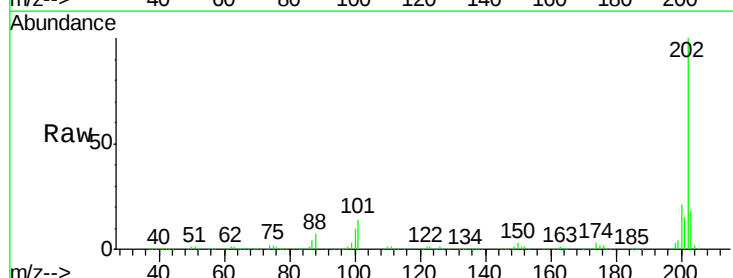
Tgt Ion:202 Resp: 953356

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

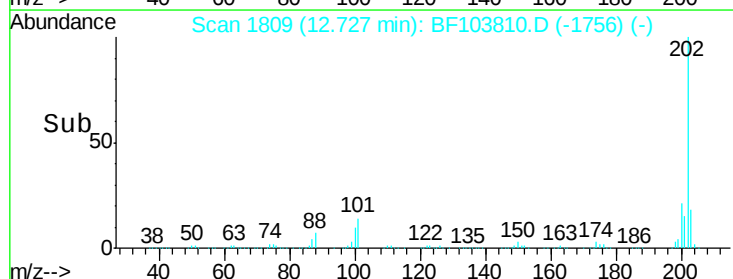
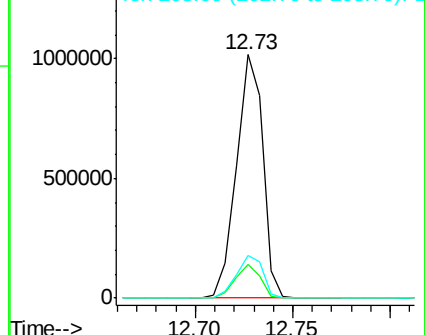
203 17.7 0.0 38.1

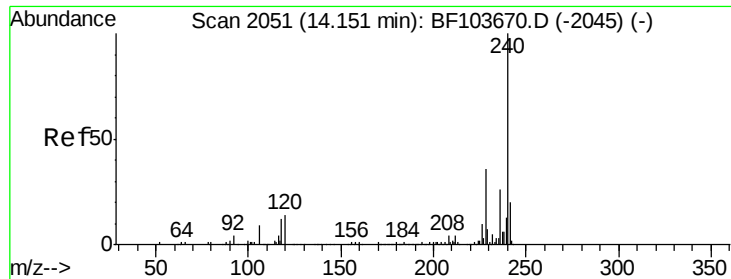


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





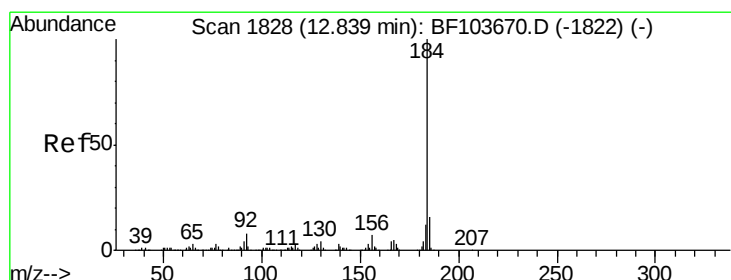
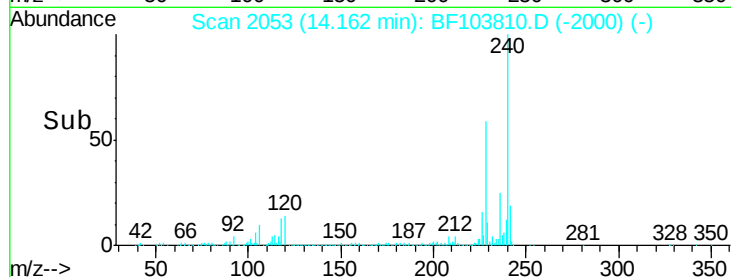
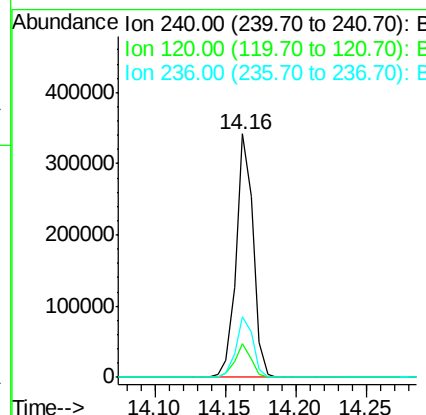
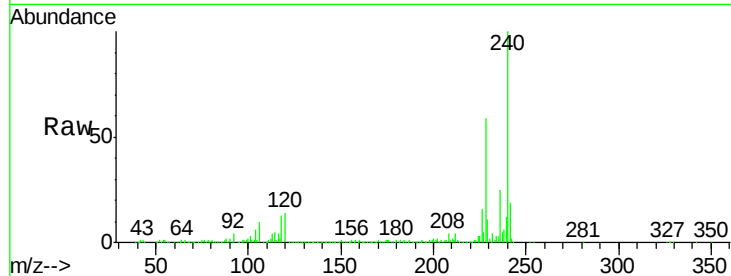
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.0	20.7	31.1

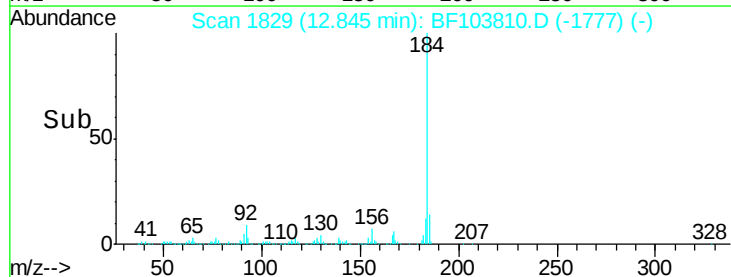
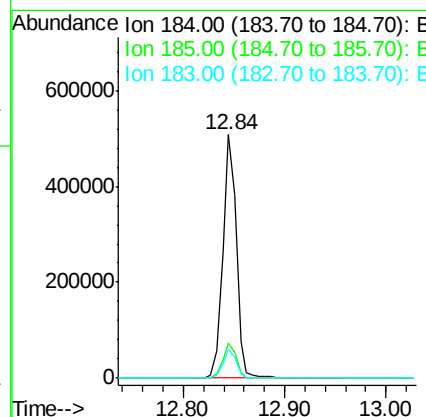
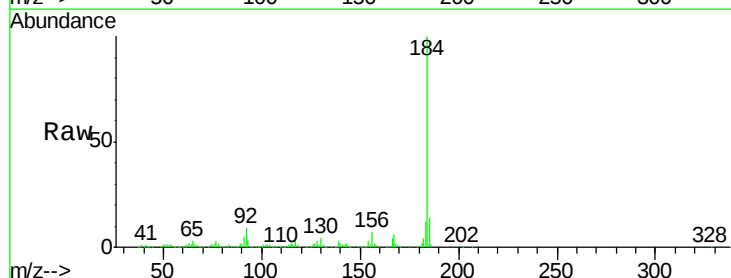
Manual Integrations
APPROVED

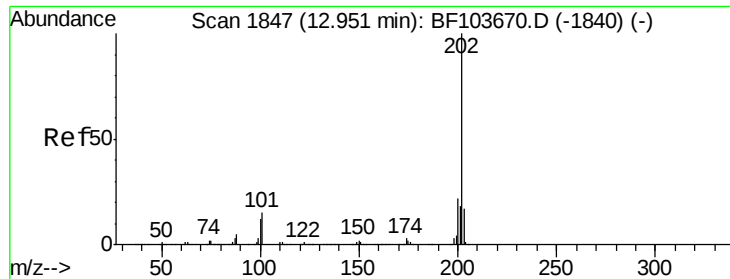
Sohil
3/22/2018 12:57:41 PM



#76
Benzidine
Concen: 38.671 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.6	9.3	13.9





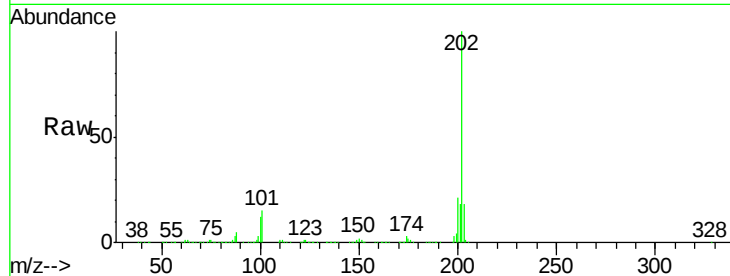
#77
Pvrene
Concen: 45.965 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

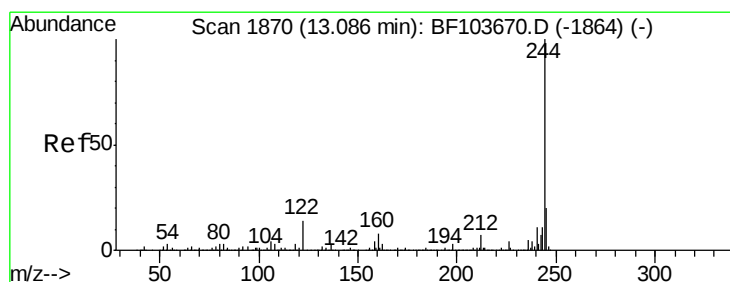
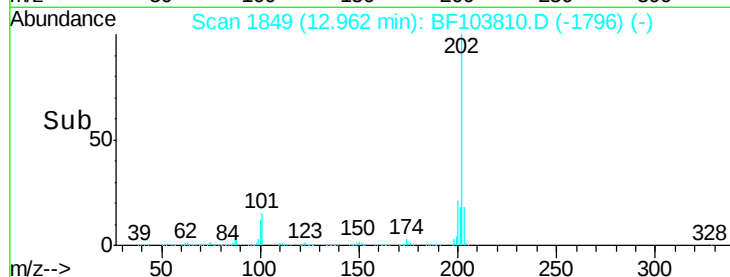
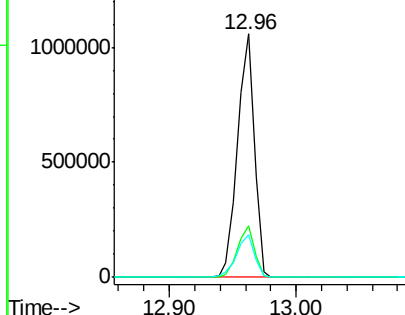
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM



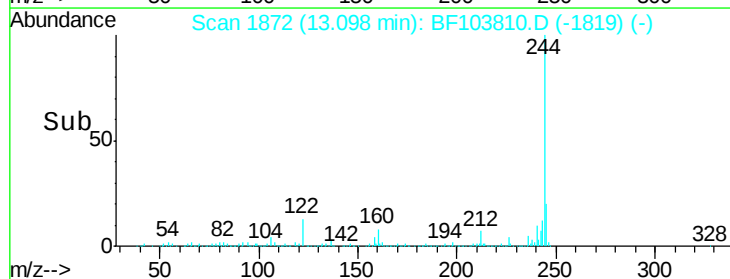
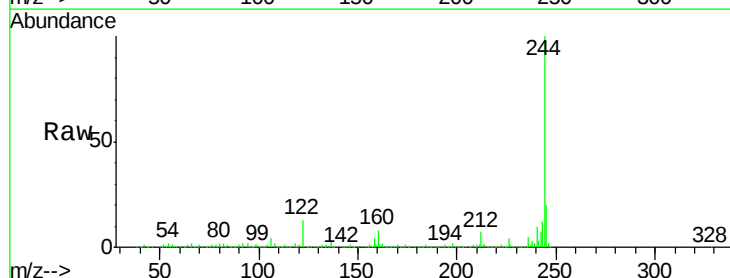
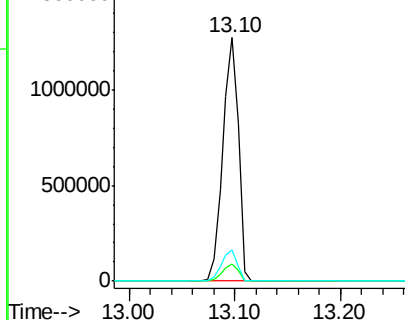
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

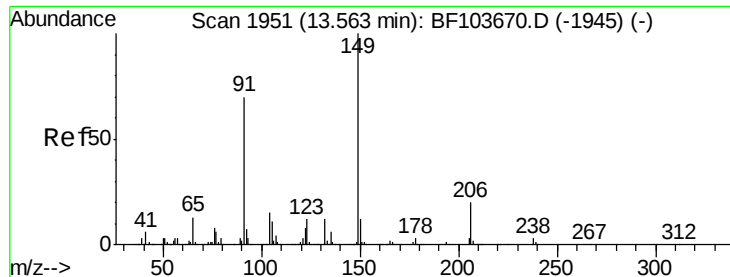


#78
Terphenyl-d14
Concen: 106.827 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.0	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





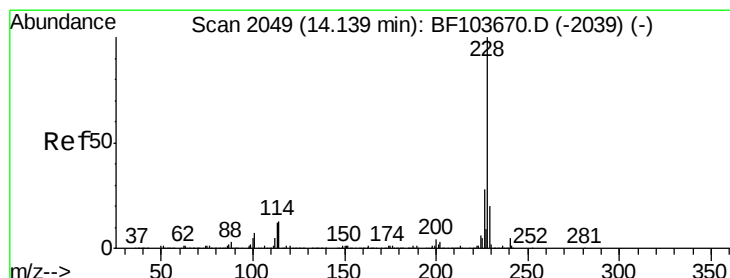
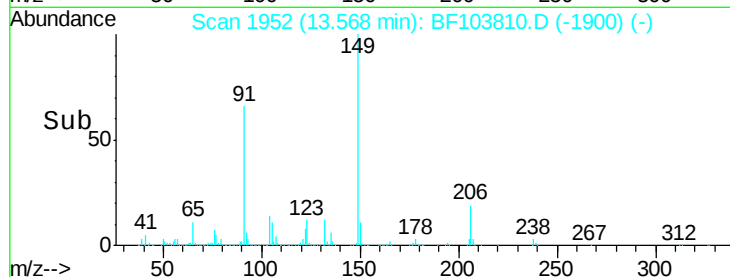
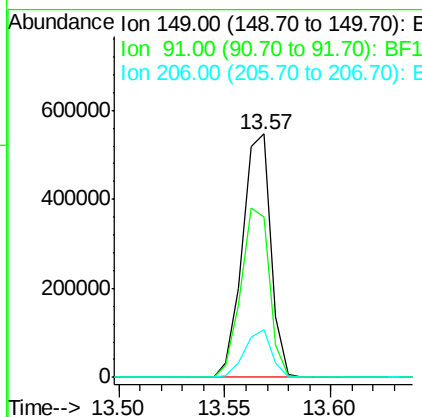
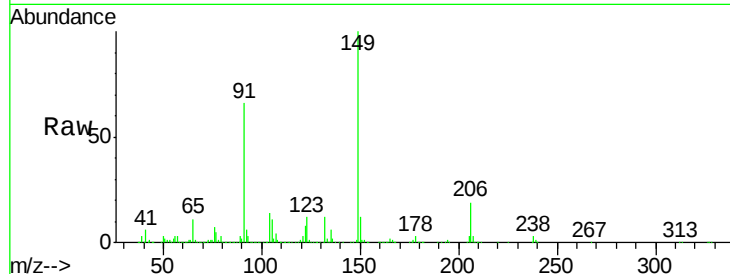
#79
Butylbenzylphthalate
Concen: 54.668 ng
RT: 13.57 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	65.9	56.8	85.2
206	19.4	14.1	21.1

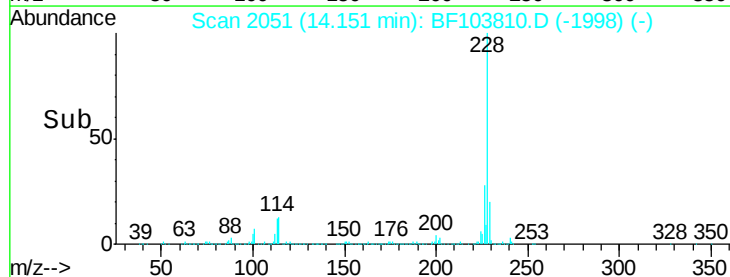
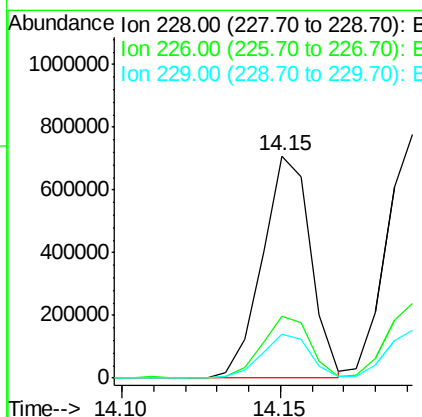
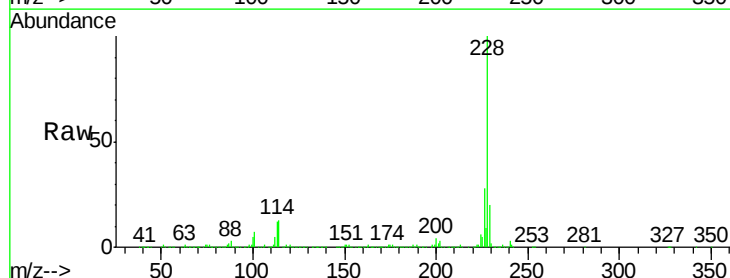
Manual Integrations
APPROVED

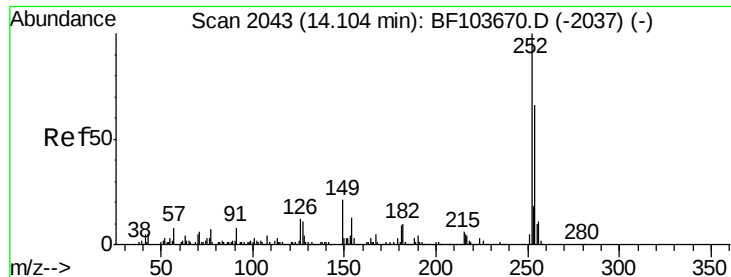
Sohil
3/22/2018 12:57:41 PM



#80
Benzo(a)anthracene
Concen: 41.427 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.1	15.8	23.6





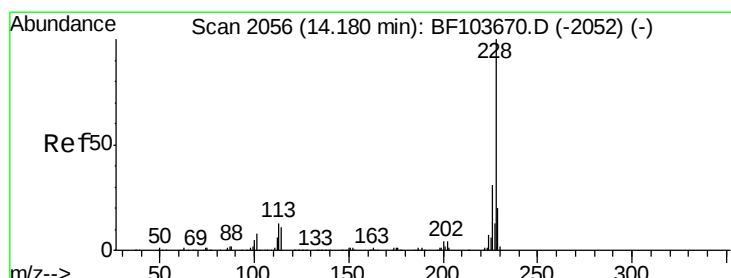
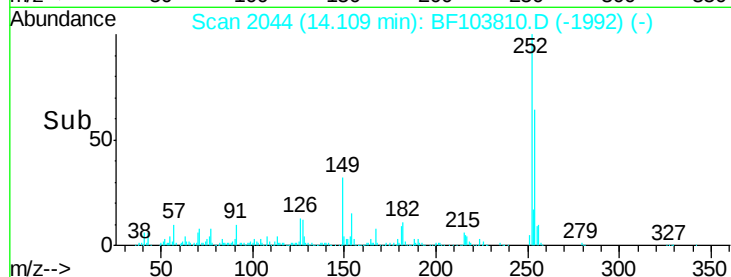
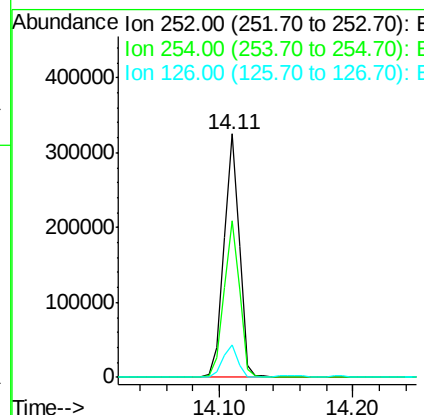
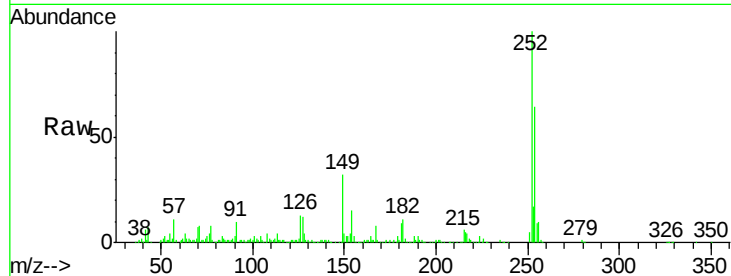
#81
 3,3'-Dichlorobenzidine
 Concen: 44.174 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.1	50.4	75.6
126	13.3	11.3	16.9

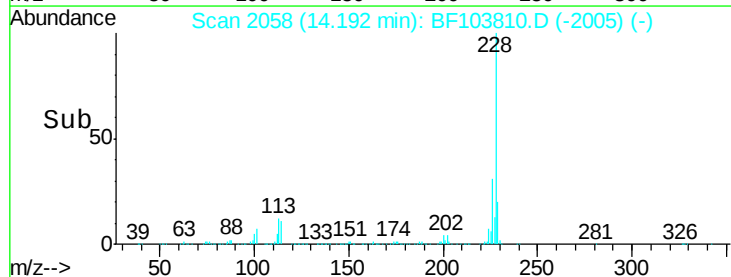
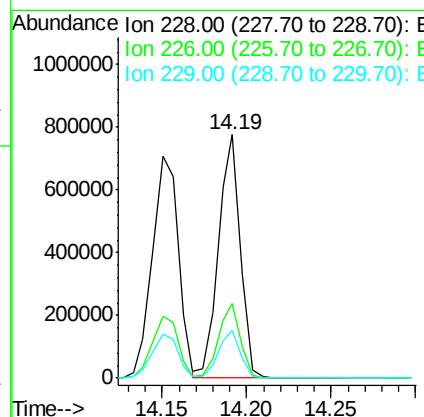
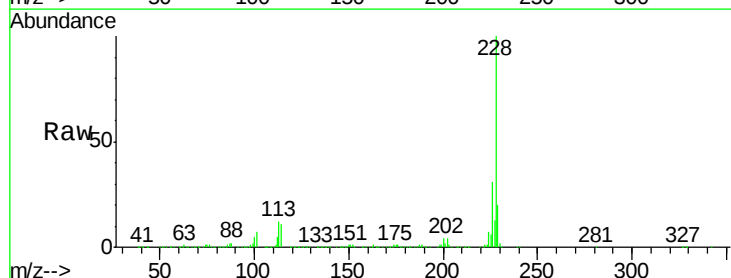
Manual Integrations
 APPROVED

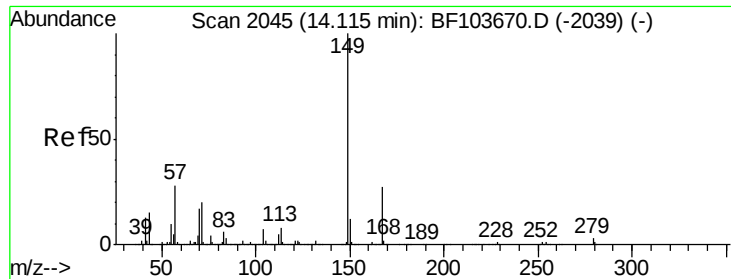
Sohil
 3/22/2018 12:57:41 PM



#82
 Chrysene
 Concen: 40.739 ng
 RT: 14.19 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	19.9	16.2	24.4





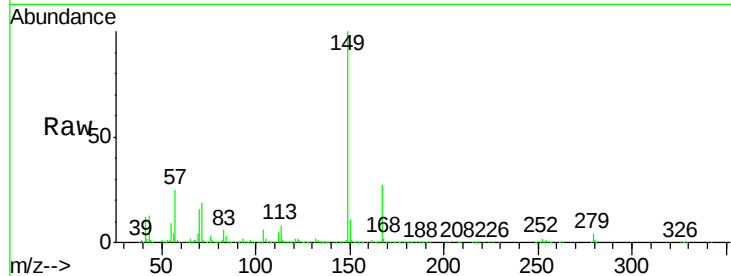
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.605 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.5	3.0	4.4

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:41 PM

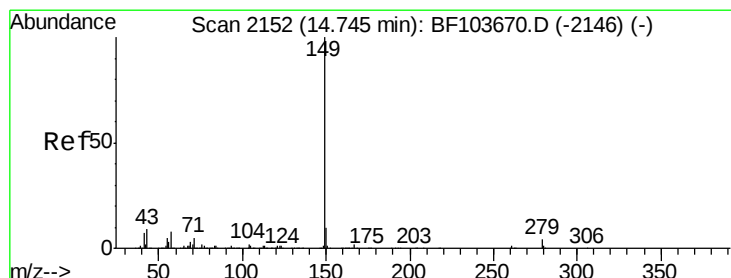
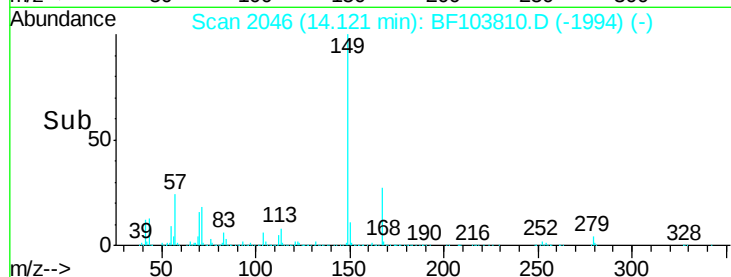
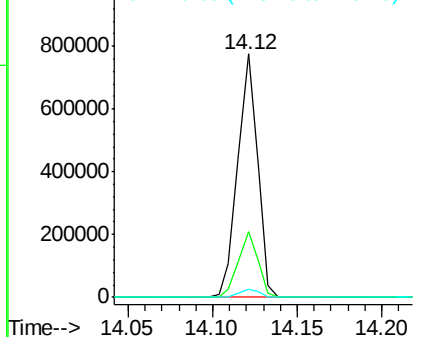


Abundance

Ion 149.00 (148.70 to 149.70): E

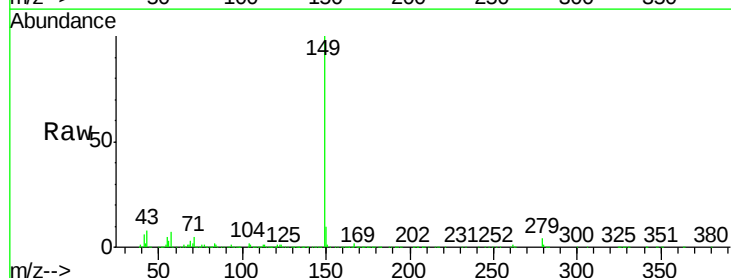
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 51.842 ng
 RT: 14.75 min Scan# 2153
 Delta R.T. 0.01 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.2	8.4	12.6#

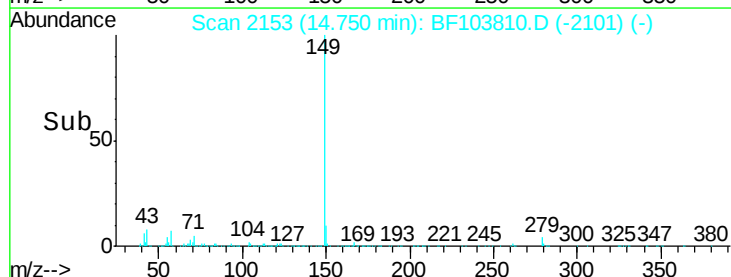
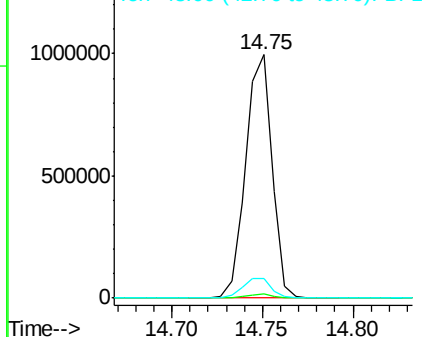


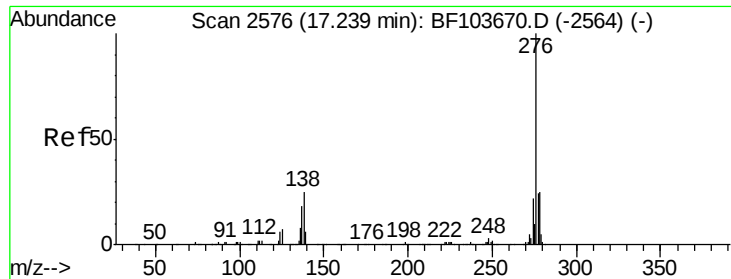
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





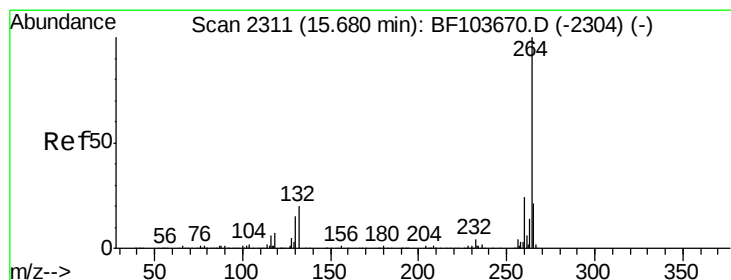
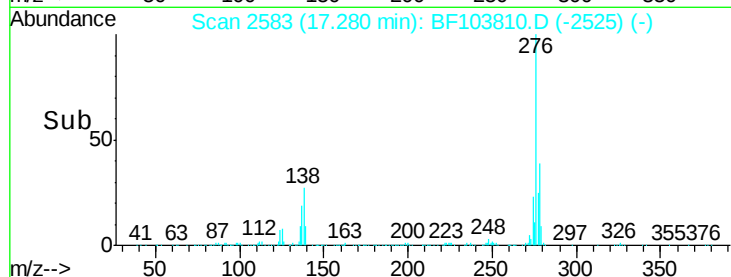
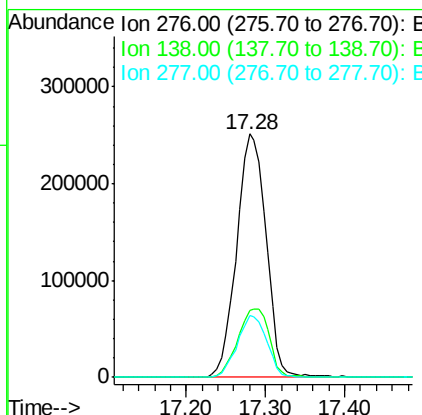
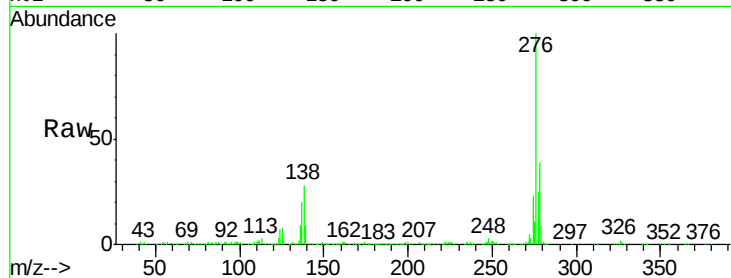
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.059 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.04 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 FS-SOILMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	25.6	20.1	30.1

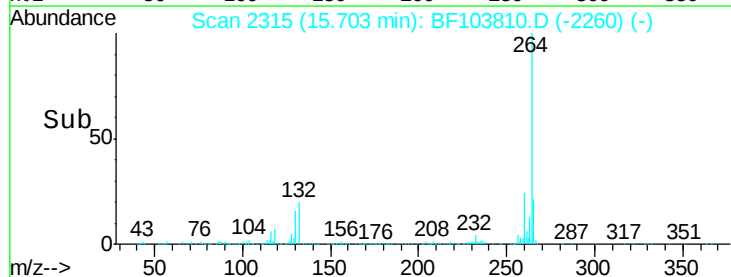
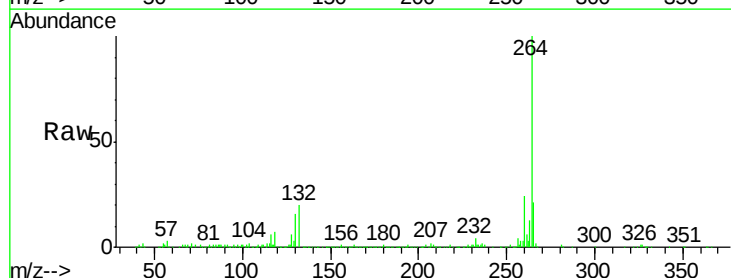
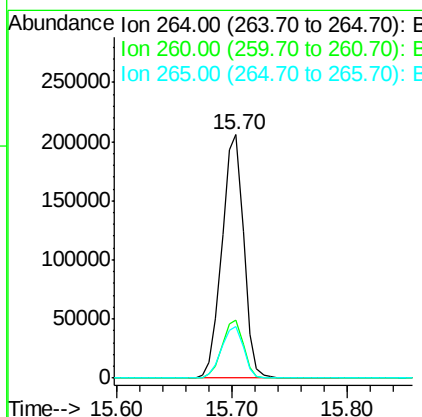
Manual Integrations
 APPROVED

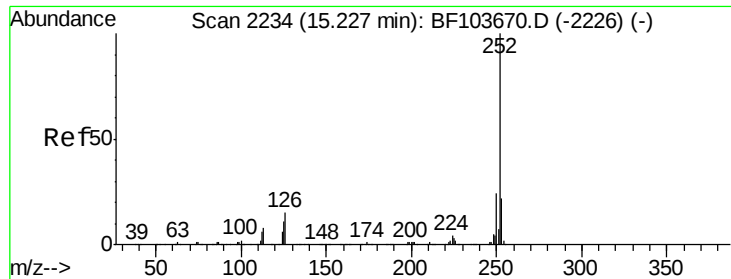
Sohil
 3/22/2018 12:57:41 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.02 min
 Lab File: BF103810.D
 Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	17.5	26.3





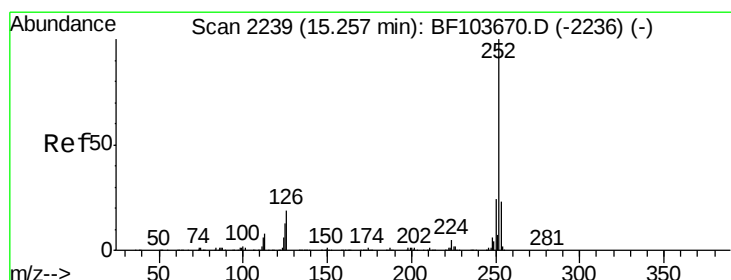
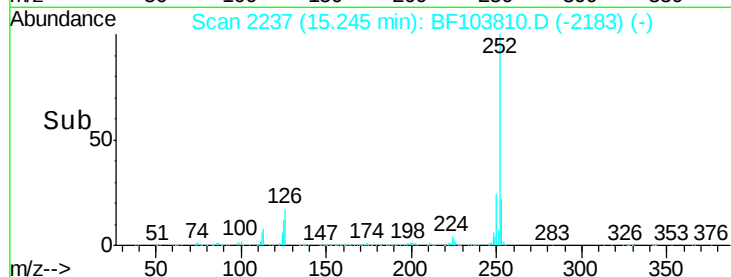
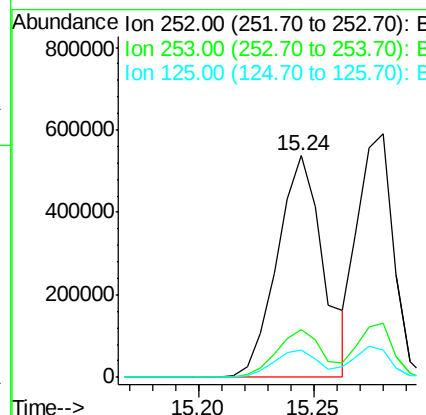
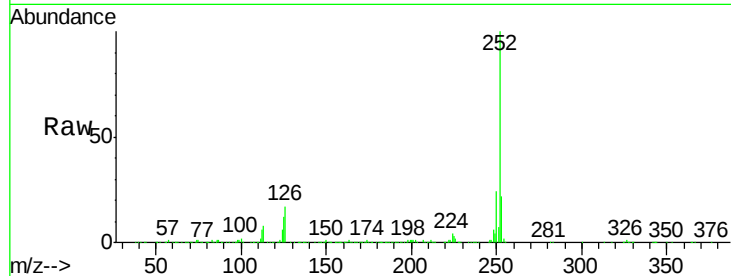
#87
Benzo(b)fluoranthene
Concen: 43.852 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	12.5	9.0	13.6

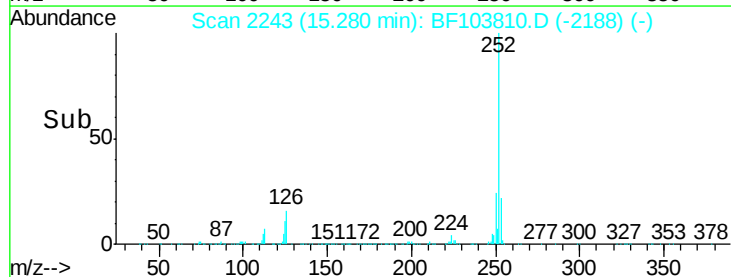
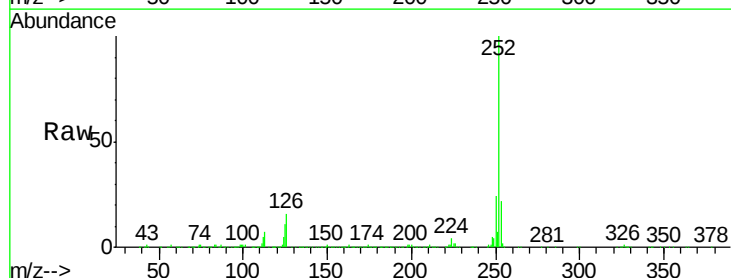
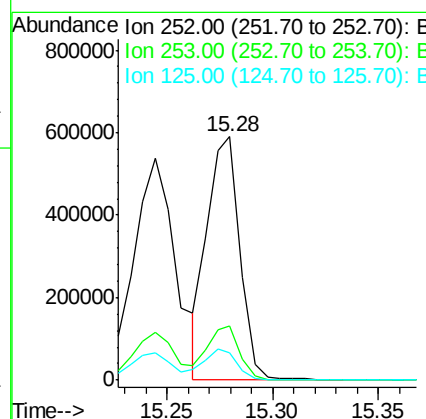
Manual Integrations
APPROVED

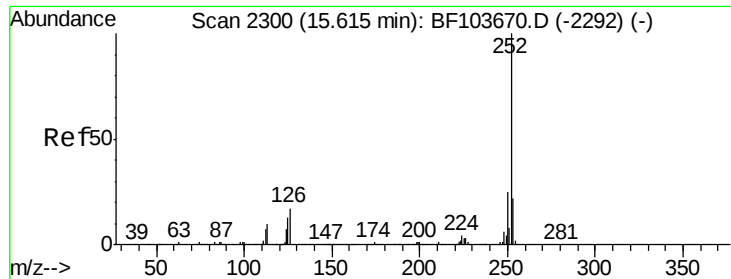
Sohil
3/22/2018 12:57:41 PM



#88
Benzo(k)fluoranthene
Concen: 38.549 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.02 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.4	10.2	15.2





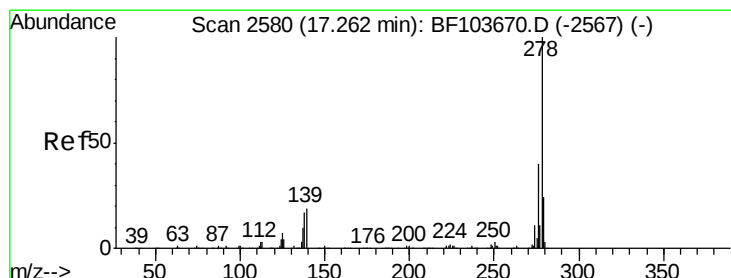
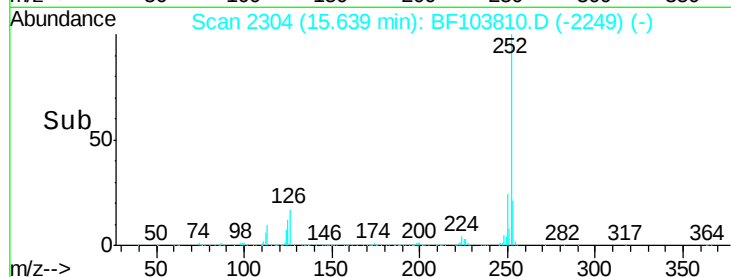
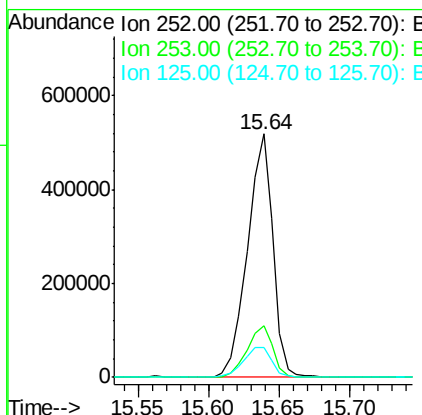
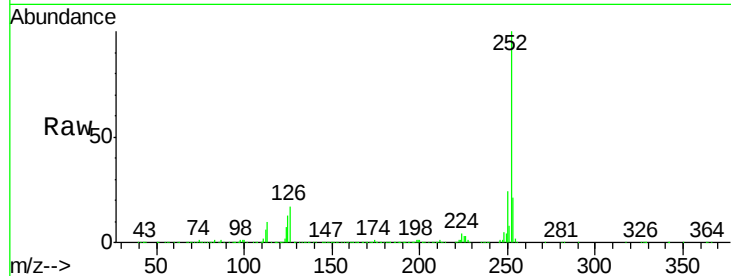
#89
Benzo(a)pyrene
Concen: 42.598 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
FS-SOILMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	12.5	9.8	14.6

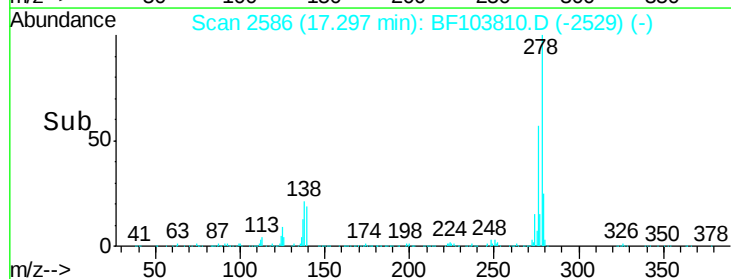
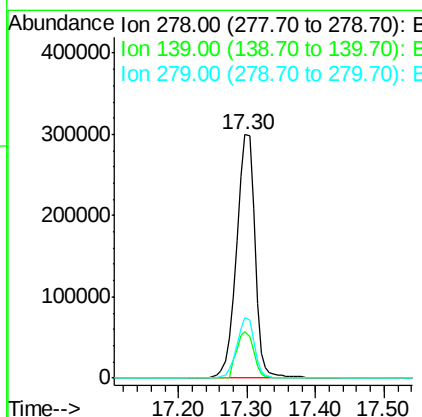
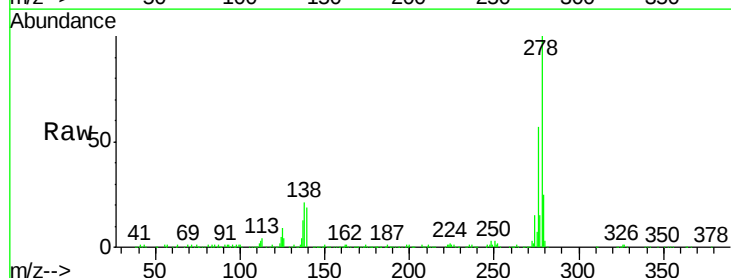
Manual Integrations
APPROVED

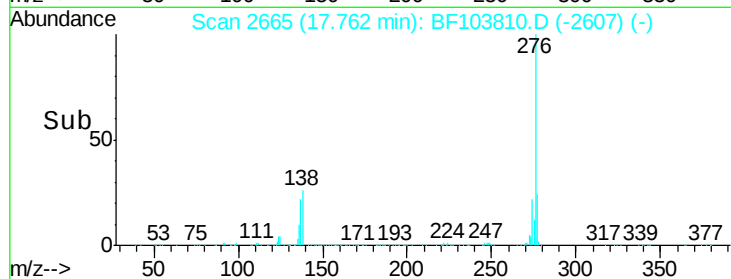
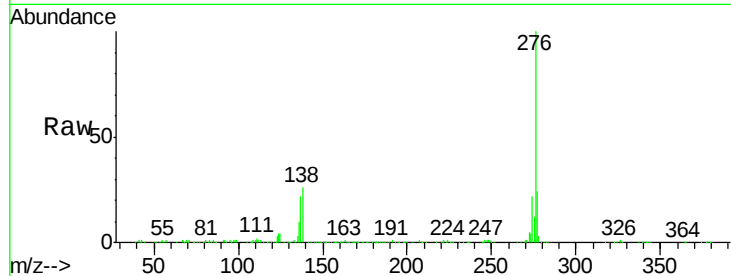
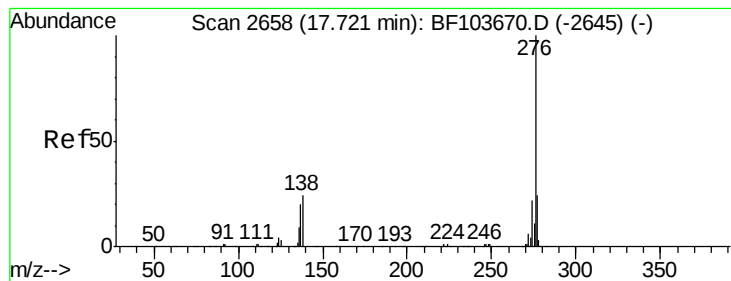
Sohil
3/22/2018 12:57:41 PM



#90
Dibenzo(a,h)anthracene
Concen: 41.694 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.04 min
Lab File: BF103810.D
Acq: 20 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.9	23.9
279	24.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 39.427 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.04 min

Lab File: BF103810.D

Acq: 20 Mar 2018 18:51

Tot Ion:	276	Resp:	512461
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.9	26.9
138	26.1	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

FS-SOILMS

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:41 PM

